



The

CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 2940
VOL. CXXIV

JUNE 13, 1936

Annual Subscription (with
Diary) 20/- Single Copies 9d.

Bismuth Dyspepsia Tablets

Embodying
the usual
Meggeson standard
of purity
and
excellence

Entirely free from chalk



MEGGESON & Co. LTD.

Established over 140 years

BERMONDSEY, LONDON, S.E.16

Telephones: BERMONDSEY 1741-1742 (Private Branch Exchange)

The Active Medicaments in Dō-Dō Asthma Tablets have NOT been reduced either in QUALITY or QUANTITY★

The Pharmacist occupies a unique position of trust in relation to his customers and the products he sells to them. For this reason, your attention is drawn to the following FACTS regarding Dō-Dō (Brand) Asthma Tablets, for which a substantially increased demand is anticipated.

- 1 *The amount of active, curative medicament in Dō-Dō Asthma Tablets has NOT been reduced.*
- 2 *Dō-Dō Tablets are full 5-grains in size, pure medicament, free from "bulking" excipient.*
- 3 *Dō-Dō Tablets are sold exclusively through qualified chemists.*
- 4 *The formula is published on every packet (see alongside).*
- 5 *The only change made in the Dō-Dō formula since their introduction is the omission (as from May 1st) of Amidopyrine (pyramidon). For this has been substituted a remarkable new chemical substance which has all the therapeutical virtues of amidopyrine, but without its disadvantages. Dō-Dō Tablets exclusively contain this new substance.*
- 6 *The therapeutical efficiency of Dō-Dō Tablets is absolutely unimpaired, and ONE Tablet is still an effective dose. (This is most important.)*

THE Dō-Dō FORMULA

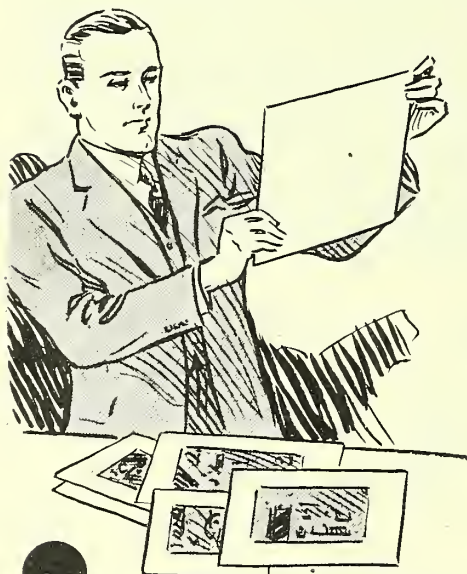
Ephedrine Hydrochloride	10%
Trimethyl Xanthine	- 15%
Ext. Grindella Campor (solid)	- - 10%
Acetylmedihdimethylox- amylphenylhydrazine	- 20%
Theobromine Sodium Salicylate	- - 35%
Amylum	- - 10%

In every way, Dō-Dō (Brand) Asthma Tablets conform to the high professional standards prevailing in Pharmacy. From the standpoints of quality, quantity and excellence of medicaments, and open publication of the formula, Dō-Dō Tablets merit your professional commendation more today than ever before.

INTERNATIONAL LABORATORIES LTD., 30-42 Smedley St., London, S.W.8

★ You can therefore continue to recommend
Dō-Dō Asthma Tablets with every confidence

NOW IN FULL SWING



**BE SURE TO
SEND YOUR
PHOTOGRAPH
BY JULY 31st**



*Have
you received
one of these display
contest folders?
If not write
for one
To-day*

NUFIX

WINDOW DISPLAY CONTEST

Big Cash Prizes & Consolation Prizes

The NUFIX WINDOW DISPLAY CONTEST started June 1st and entries are already coming in fast. NUFIX sales are increasing rapidly due to public preference for this faultless hairdressing.

● **NUFIX** believes in QUALITY FIRST. NO GUM, NO PERMEATING GREASE to spoil hats, cushions and pillows.

● **NUFIX** believes in TRUTH in ADVERTISING. NUFIX is "AHEAD OF THE CROWD" because its quality is unsurpassed. It is sold to the public on a "Refund of purchase price" guarantee that every claim made for NUFIX is a true statement of fact.

● **NUFIX** believes in PROOF in ADVERTISING. Here is a Certificate of Tested and Approved Efficiency by an Eminent City of London Analyst:

"I have tested a sample of 'Nufix' bought by me in open market. I am of opinion that the preparation is so well emulsified that the vegetable oil it contains is not evident in use. I have by analysis ascertained that 'Nufix' is compounded of pure ingredients recognised to be of great value for keeping the hair and scalp in healthy condition and for preserving and promoting the growth of the hair."

N.B. At the special request of many new stockists of NUFIX—the faultless hairdressing—the NUFIX Window Display Contest has been extended to July 31st. Will retailers kindly note that July 31st is the definite closing date.

Walden & Co. (Nufix) Ltd., Nufix Works,
Rookery Way, The Hyde, London, N.W.9

Natural VITAMIN D.

50,000 INTERNATIONAL UNITS VITAMIN A
AND VITAMIN D PER GRAMME.

We are now able to offer manufacturers at strictly competitive prices a perfectly natural fish liver oil to the above specification. The price being comparable to that of irradiated ergosterol and synthetic calciferol.

No restrictions in regard to resale.

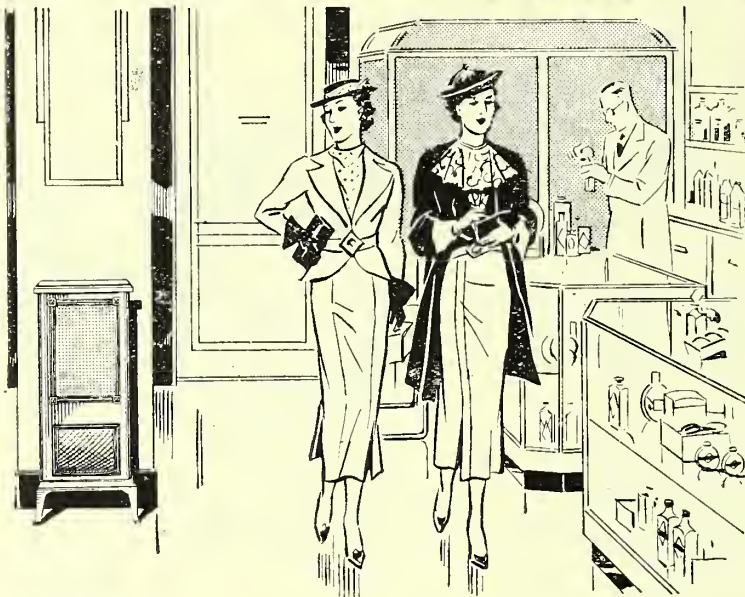
*For full particulars
apply to :—*

THE CROOKES LABORATORIES
(British Colloids Ltd.)

PARK ROYAL, LONDON, N.W.10

Telephone : WILLESDEN 6313 (3 lines) Telegrams : COLLOSOLS, HARLES, LONDON

FOR YOUR CUSTOMERS' COMFORT . . .



WRIGHT'S GAS RADIATORS

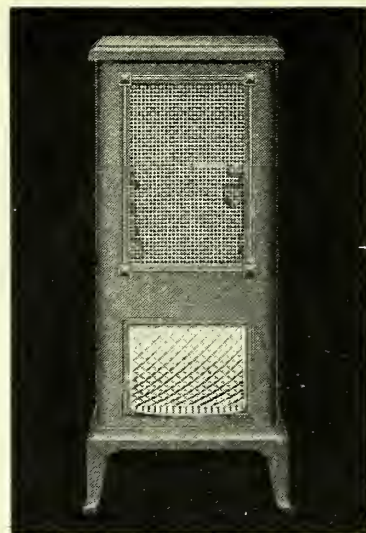
YOUR customers want to shop in comfort—warm your premises with Wright's Gas Radiators.

These radiators, made in two distinct types and several different sizes, ensure economical heating without attention and with complete reliability. They need no stoking and create no smoke or dust to damage stock. Installation is simple and effected without hindrance to business.

Each type of radiator is obtainable in a variety of colour finishes suitable for installation in any class of shop.

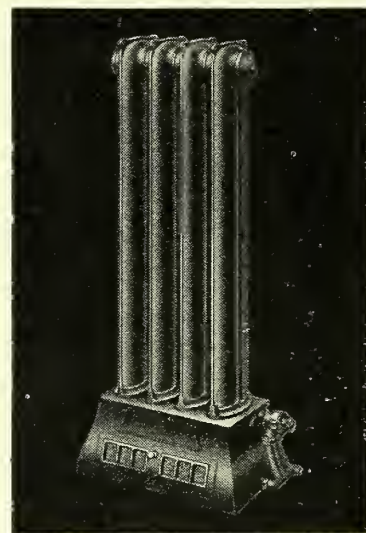
For the pharmacy there is no better method of heating.

Illustrated lists of Wright's Gas Radiators will be sent on request to "C.D." Dept.



The "CONSOLE"

The attractive lines of the "Console" together with the wide choice of colour finishes, make it the most suitable radiator for business premises. It is made in six sizes, giving a choice of three heights and two widths.



The "ST. VINCENT"

is one of the most popular of Wright's "Loop" type radiators. These are fitted with the 'Regulo' automatic control, maintaining an even temperature and ensuring that only a minimum of gas is used. Obtainable in various designs.

JOHN WRIGHT & CO., LTD., ESSEX WORKS, ASTON, BIRMINGHAM, 6

Radiation

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Staff Allen's

POWDERED DRUGS

SOLID & LIQUID EXTRACTS

**FOREMOST FOR
A CENTURY**

**STAFFORD ALLEN
& SONS LTD.
COWPER ST., LONDON**



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THE DOCTORS' CONSTANT RECOMMENDATION

Due to constant recommendation and increased advertising the sales of MOORLAND INDIGESTION TABLETS have increased 50 per cent. so far this year. The sales of the 1/3 tins of 110 tablets have also gone up by leaps and bounds. And, more half pages are being booked in the big National dailies. Display MOORLANDS and get your share of this increased demand.



THE PUBLIC DEMAND



THE CHEMISTS' FRIEND



MOORLAND BRAND INDIGESTION TABLETS

W. B. CARTWRIGHT LTD.

RAWDON.

LEEDS.

NO PROPRIETARY RIGHTS CLAIMED

50 Tablets



**Advertised Goods will
always sell!**

SKOL

SUN LOTION

LINK UP YOUR DISPLAYS WITH THIS POWERFUL PRESS CAMPAIGN

Order Skol Sun Lotion to-day and ensure your share of this big summer business. Sales will be created by extensive advertising in all classes of papers and magazines. Skol is the original and best non-oily scientific Sun Lotion. Exhaustive tests by the National Physical Laboratory have proved its outstanding light filter properties. It is clean and economical in use and immeasurably superior to any oil or cream.

Write to-day for trade terms and details of a particularly attractive display offer. The 1936 Skol show material is forceful and sales-creating. Send for it.

Retail Prices 2/-, 3/6, 6/6

The following leading National Papers and Magazines will carry frequent Skol Advertisements :—

**DAILY MIRROR
SUNDAY EXPRESS
FILM WEEKLY
WOMAN AND BEAUTY
VOGUE
DAILY SKETCH
GLASGOW BULLETIN
PICTUREGOER
EVERYWOMAN'S
TATLER**

Etc., Etc.

SKOL BRAND

Healing Antiseptic For Severe Sunburn

All Skol Sun Lotion advertisements this summer will recommend Skol Healing Antiseptic as the most effective treatment for cases of severe sunburn. You will be well advised to hold a small stock of this excellent product.

1/6 & 2/6



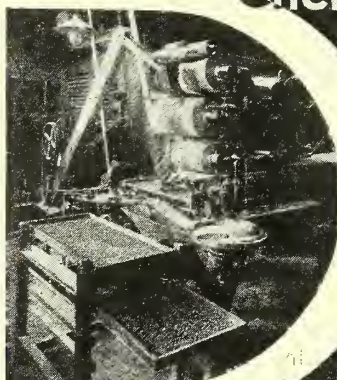
SKOL PRODUCTS LTD.

1 ROCHESTER ROW - - LONDON, S.W.1

Telephone : VICTORIA 8498

Private Formula work

Pills and Tablets
manufactured under the control of
Analytical and Qualified
Chemists



ONE OF OUR
 LARGE
 'PILL MAKING'
 MACHINES

Below:
 SPECIAL
 COATING

Coated
 or
Uncoated
Bulk
 or
Packed



A
 SECTION
 OF OUR
 BOX-MAKING
 AND
 SHOW-
 MATERIAL
 DEPT.

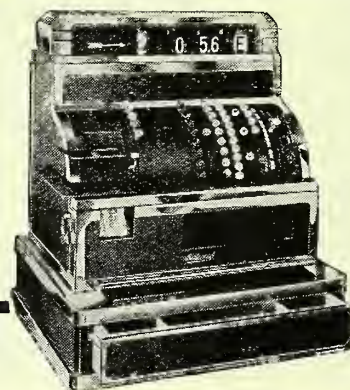
Exceptionally keen prices

COX *Estab. 1839*
ARTHUR H. COX & Co. Ltd.
BRIGHTON

IS IT *more profit?*

What is the reason for the fact that every month sees more chemists instal modern National Cash Registers? Is it MORE PROFIT . . . or some other great advantage? Unless you investigate you will never know! Act NOW—your profit is at stake. Full details await your request.

THE NATIONAL CASH REGISTER CO. LTD.
 225 Tottenham Court Road, London, W.1



5 WAYS TO A WOMAN'S PURSE

The TOWN TALK 5

The famous "Town Talk" Liquid Silver Polish, Silver Plate Cloth, Liquid Pewter Polish, Chromium Plate Cloth, and Cut Glass Cloth, afford you five ways to a woman's purse. They are consistently advertised in women's newspapers and journals, and their qualities make them quick-selling, repeat-order lines.

Push the "Town Talk" 5, they yield a good profit and bring customers into your shop.

ORDER DIRECT OR FROM

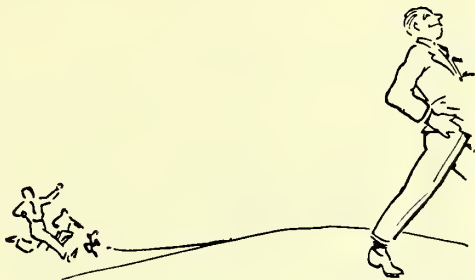
MANCHESTER:
 James Woolley Sons &
 Co., Ltd.

LONDON:
 Brooks & Warburton, Ltd.
 May, Roberts & Co., Ltd.

LEEDS:
 Goodall, Backhouse & Co.
LEICESTER:
 E. H. Butler & Son.

LIVERPOOL:
 Ayrton, Saunders & Co.
 Ltd.

THE TOWN TALK POLISH CO., MANCHESTER, 13



GET AHEAD OF YOUR COMPETITORS -

Take a long breath—and go on again. Keep ahead with our quality lines and modern products. There is a big public at the winning post for the winning lines we produce so consistently.

FOR QUICK
SALES AND
GOOD PROFITS
FEATURE
SPENCER'S
SPONGE BAGS
AND TOILET
COMPANIONS

SPENCER BROS.,

66/67 SHOE LANE,
HOLBORN CIRCUS,
LONDON, E.C.4.

Telephone: Central 4801
Private Branch Exchange



You should tell every
customer with a
DRY SKIN
to try the new

Coty
"AIR SPUN"

'SPECIAL' TEXTURE FACE POWDER

No longer need the woman with a dry skin be at a disadvantage, for Coty 'Special' Texture Powder has been specially created for her. It is smooth, tender and amazingly clinging.

The 'Air Spun' Process

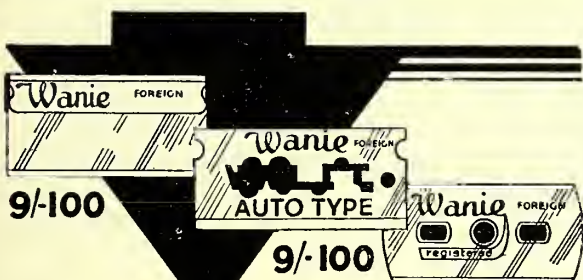
Coty Powder in both Textures, 'Special' (for dry skins) and 'Original' (for normal skins) is now made by the new 'Air Spun' process by which the powder is blown with clean, pure air to exactly the fineness, softness and uniformity required.

*Link up with Coty's
Summer Campaign*

Large box **2/3**
Series 060

Half size box **1/3**
Series 059

COTY (ENGLAND) LTD., 3, Stratford Place, London, W.1.
'Grams: Paricoty, 'Phone, London. 'Phone: Mayfair 7244-9 (6 lines).



WANIE

8/- GROSS

The Blade for Every Razor!

Send for Samples to Dept. C.D.

**LONDON & PROVINCIAL
FACTORS, LTD.**

146 THEOBALDS ROAD, W.C.1

and at

16 WIThey GROVE, MANCHESTER

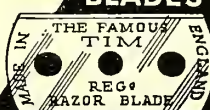
Enquiries from Irish Free State Invited.

Wholesalers are invited to apply for Trade Terms.

3/6
GROSS
**BRITISH
BLADES**

**HAND
HONED**

TIM



...broke out...

listless, sulky dog...

Gyp's temper alarmed us

Why Gyp was sulky

YOUR DOG NEEDS THIS CARE

Regular conditioning means that neither fall you give your dog

Bob Martin's

3 times EVERY Saturday

3 times EVERY Sunday

listless, sulky dog...

Why Gyp was sulky

YOUR DOG SHOULD HAVE THIS CARE

Regular conditioning means that neither fall you give your dog

Bob Martin's

EVERY Saturday

EVERY Sunday

SUMMER HEAT made him a dog in the manger...

WHY PAPER WAS LISTLESS

Regular conditioning means that neither fall you give your dog

Bob Martin's

3 times EVERY Saturday

3 times EVERY Sunday

OURS A DAY

us dog never tires

Regular conditioning means that neither fall you give your dog

Bob Martin's

3 times EVERY Saturday

3 times EVERY Sunday

Keep

Bob Martin

Displays

well to

the front

and gain

full benefit

from this

advertising

NEVER AN ILLNESS
since puppy days...

'scratched continually
...broke out in bare patches'

6 HOURS A DAY
-famous dog never tires-

he was a skeleton of a dog...
lost all appetite'

PURE BLOOD...
the key to fitness and stamina

MY DOG IS 17 YEARS
and they said he'd never

Why Toss
a miserable

MAKE HIM FIT - KEEP HIM FIT

Patches...
mending dog's coat'

FORESTALL SUMMER AILMENTS

Regular conditioning means that
without fail you give your dog
Bob Martin's
3 times EVERY Saturday
3 times EVERY Sunday

Right and left are some of the advertisements (in miniature) from the new Bob Martin campaign. 217,031,619 Bob Martin Advertisements will appear in the press this season, forming the most powerful campaign we have ever launched.

Specimens of the new Bob Martin window bills and showcards were sent to you with your copy of "The Lead" last week. Are you giving them a prominent display? They are well worth it! They will link up your shop with the most powerful advertising campaign

we have ever launched. Extended advertising began this week and still greater increases are to follow. Decide now to take full advantage of this great press campaign. Keep the new Bob Martin displays on show; write to us for more if you need them.

Bob Martin

LTD. SOUTHPORT, LANCs.

ESTABLISHED 1892

52% of Men have DRY Hair — 48% have GREASY Hair

★ only **ONE** Hair
Fixative caters for
EVERY Customer

—that's why

ANZORA ★

has the Greatest Sale!

THE GOLD MEDAL HAIR CREAM



Anzora has beaten all competitors for 30 years because it is the **ONLY** Hair Fixative to suit every type of hair. To-day it is a household word, backed up by vigorous, consistent advertising. Anzora stays firm in public favour, but it doesn't stay long on your shelves. For certain sales, rapid turnover and satisfied customers you need Anzora—the only hair fixative that you really DO need.

ANZORA WAVE-SETTING LOTION
An additional source of Profit! Keeps waves wavy longer and **TRANSPARENT**. Recommend it to your lady customers.

ANZORA PERFUMERY CO. LTD., LONDON, N.W.6

**"ODENTIC"
PLATE
BRUSH**

Regd. No. 417637.



From all
Wholesalers.

Manufacturers :

W. R. Speer & Son (EST. 100 YEARS)
215 DALSTON LANE - - LONDON, E.8

**Does this Service
interest you?**

Own name Cosmetics and Beauty Aids, packed or bulk, made to your own formula by expert staff. Strictest confidence. Cut your Manufacturing Costs, our quotation will intrigue you

THE LABORATORIES,
61 EAGLE STREET, LONDON, W.C.1

We shall welcome your enquiries for

SHAVING CREAMS

POMADE HONGROISE

POWDERED SOAP

SHAMPOO POWDERS

A. GIDLOW & CO. BROOM LANE, LEVENSHULME, MANCHESTER

Telephone No.: Rusholme 2676

LA PARFUMERIE MODERNE

(Established 1908)

*An Illustrated Monthly Review of the
Perfumery and Allied Industries*

The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

15 rue Constant, Lyon • 7 rue Chevreul, Paris (Xle)



SEA-WHIRL

16/3 doz.

Retail 1/11



★ OLYMPIC SUBMARINE

40/- doz.

Retail 4/11



SEA-SHELL

12/6 doz.

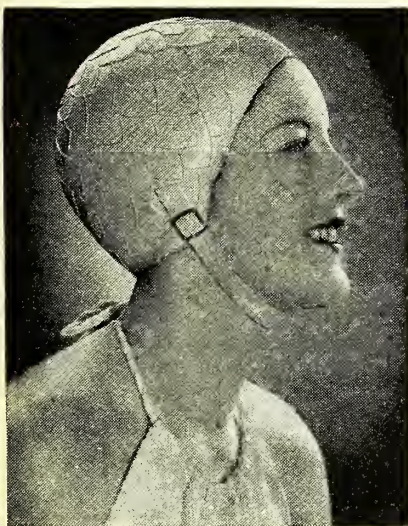
Retail 1/6

**5,000
DOZEN**

*Bathing Caps in stock
throughout the season*

Made of the finest quality rubber, these moulded caps are stocked in the following colours: White, Black, Dark Blue, Green, Saxe, Red, Orange, Pastel Blue, Pastel Green, Pastel Pink and Pastel Yellow. We guarantee that they will give satisfaction. Real photograph showcards, as shown, with orders of 3 dozen. (Hairwave and Sea-Shell excepted.) Please send your enquiries to us mentioning the name of your wholesaler

★ 100,000 Submarine Swimming Caps are sold each year because they keep the hair dry and protect the ears.



SEA-FLLOWER

16/3 doz.

Retail 1/11

Manufactured

in England by:—



HAIRWAVE

8/11 doz.



SEA-WAVE

12/6 doz.

Retail 1/6

W • W • HAFFENDEN LTD.

12 WELL STREET, LONDON, E.C.1

'Phone: NAT. 0318

MERCUROCHROME EVANS

(Mercurocol brand regd.)

Manufactured at Evans' Biological Institute
under strict analytical control and tested
physiologically against undue toxicity.

Supplied in Scales or Solutions
In Ampoules ($\frac{1}{2}\%$ 1.0%) for intravenous injection
also in Mop-head Ampoules (bulb form)

Evans Sons Lescher & Webb Ltd.

Manufacturers of Fine Chemical, Pharmaceutical & Biological Products

LIVERPOOL

LONDON, E.C.1

Where the Rainbow **BEGINS**

Legend says that a pot of gold lies buried where the rainbow ends. The busy photographic dealer has no time for fairy tales—but he will find it a fact that there are good profits in DUFAYCOLOR sales.

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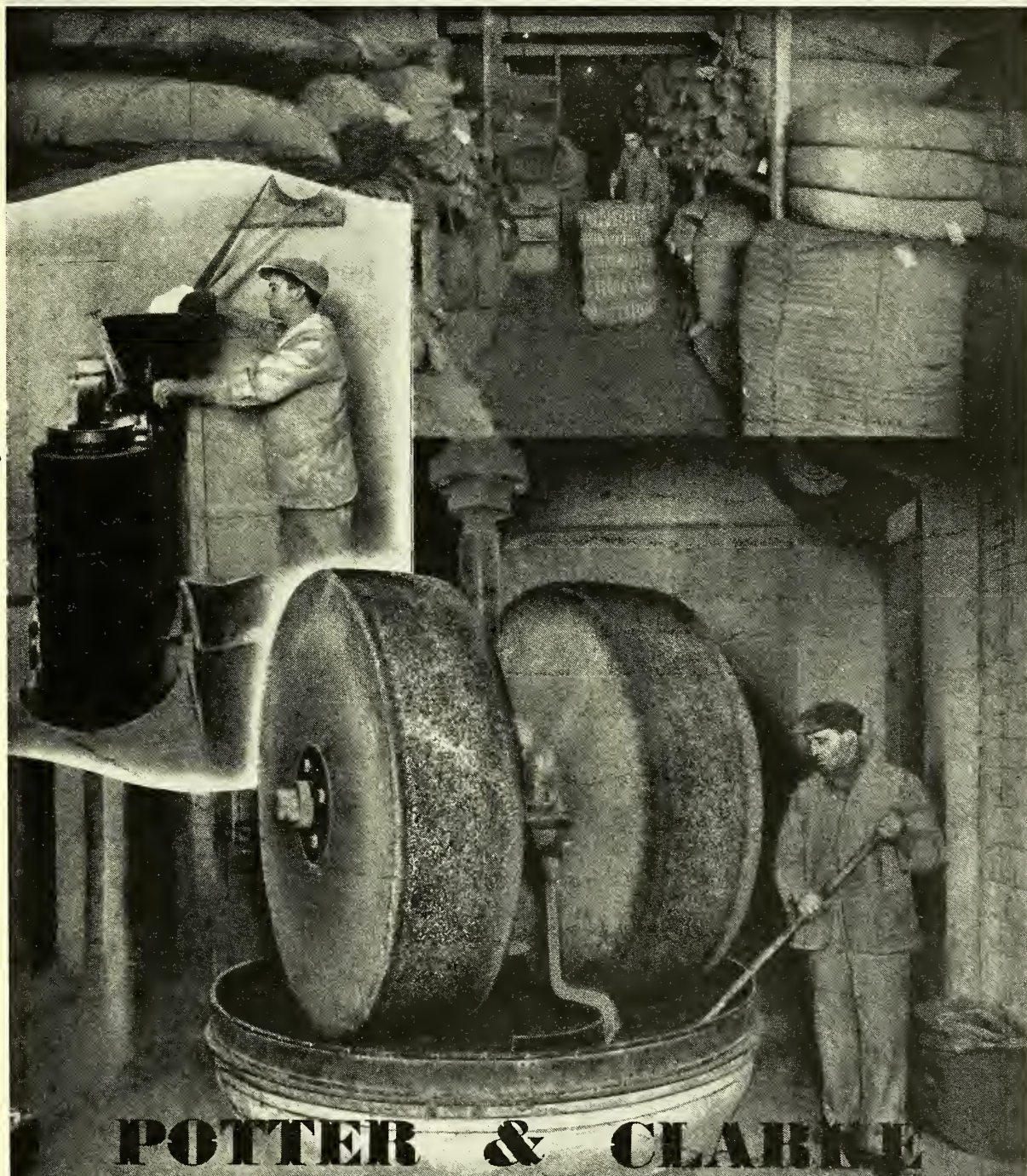
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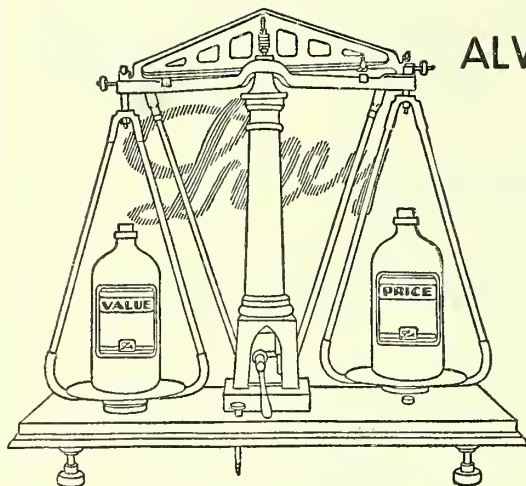
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News of the Week

National Mark Scheme for Fruit Juice Syrups

The Minister of Agriculture and Fisheries has given notice of his intention to make Regulations prescribing grade designations and grade designation marks for fruit juice syrups, to be known as the Agricultural Produce (Grading and Marking) (Fruit Juice Syrups) Regulations, 1936. Copies of the draft Regulations may be obtained, price 1d. (post free 1½d.) from H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2, or through any bookseller.

Linseed Oil Duty "Drawback"

Under the Import Duties (Drawback) No. 6 Order, 1936, the drawback allowed consumers of this oil used in the manufacture of goods for export is increased from 60s. to 80s. for every ton, as from June 8, 1936.

Dental Board

On the final day of its thirtieth session (C. & D., May 30, p. 621) the Dental Board of the United Kingdom considered the case of Mr. John Henry Port, Oare, Faversham, a dentist who had been summoned to appear in consequence of irregular certification. The facts in the charge were found to be proved, and the respondent was allowed six months in which to satisfy the Board as to his character and conduct. The minutes of the session (No. 101, Appendix IV) include a "Suggested Partial Specification for Dental Amalgams."

Chemists' Sickness and Provident Society

The eighth annual meeting of the Chemists' Sickness and Provident Society was held at 4 and 5 Queen Square, London, W.C.1, recently, Mr. W. W. Atkinson in the chair. The chairman, in moving the adoption of the report and balance

sheet, said he was pleased to be able to announce that the membership now exceeded 1,000 members. During the past year 123 new members had been enrolled (men 104, women 19). In the men's section there had been six deaths, eleven withdrawals and four members lapsed, the net gain being eighty-three members. In the women's section there had been seven withdrawals, and the net gain was twelve members. The subscription income increased from £8,869 in 1934 to £9,889 in 1935. The amount expended in sick pay in the men's section was £1,160 (13 per cent. of subscription income) compared with £1,382 (17.2 per cent. of subscription income) for 1934. In the women's section the amount paid was £148 (15.3 per cent. of subscription income), compared with £100 (11.7 per cent. of subscription income) for 1934. The total amount of sick pay received by members since the first claim was paid in April 1929 was £6,838 (men £5,917, women £920). The balance of surplus funds in the men's section allowed an apportionment of £1 10s. per full share, compared with £1 8s. 4d. for 1934. This increase was made possible on account of the smaller amount paid in sickness benefit. In the women's section the apportionment was £1 6s. 2d. per full share compared with £1 8s. 9d. for 1934. The reduction was due to the increase in sick pay. The interest received during the year from the Society's investments amounted to £1,341, and the whole of this sum had been allocated to the members' balances as at December 31, 1934, at the rate of 4 per cent. The financial position of the Society was becoming stronger each year, and the market value of the invested funds was £1,874 more than the amount stated in the balance sheet. The members' reserve fund received a further £200 from the management fund and totalled £1,547. Mr. Hobson seconded the adoption of the report and balance sheet, and suggested that a letter should be sent to every member asking them to try

to obtain one new member each. The resolution was carried unanimously.

Mr. C. W. Hobson was elected *Chairman* for the ensuing year; Mr. S. J. Stearn was elected *Vice-Chairman*; Mr. A. R. Melhuish was re-appointed *Treasurer*; Messrs. E. A. Atkins, W. W. Atkinson, D. A. Bryan, B. P. Davies, A. Dobson, W. Forster, H. Gilleghan, C. W. Hobson, H. H. Marshall and S. J. Stearn, together with the trustees (Messrs. J. E. French, W. I. Scholes and C. J. Yeates) were appointed the *Executive*. Messrs. H. W. Harrie, A. Mortimer and H. Glyn-Jones were re-appointed *Arbitrators*. The chairman thanked the secretary and staff for their services.

Proprietary Articles Trade Association

Arising out of the recent meeting of the National Pharmaceutical Union Executive (C. & D., June 6, p. 648), the Executive Committee of the P.A.T.A. Council has requested us to give publicity to the P.A.T.A. letter referred to, which is signed by Mr. H. E. Chapman (secretary). The following are the principal passages:—

... The Committee think it desirable to record their considered opinion that the proposal for a joint co-ordinating committee to administer the pharmaceutical advertising fund, and to deal with matters relating to the marketing of proprietary medicinal preparations, was one which would have been of very real benefit to pharmacy and the trade. Having previously stated their view on the position of the Association in relation to the Chemists' Friends scheme, the Committee feel that, in the circumstances, the P.A.T.A. is not called upon for the present at any rate, to take any further action in the matter.

I am to take this opportunity to request your Executive to bear in mind the special position of the P.A.T.A. in relation to the question of restraint of trade, and to remind them that when the Restraint of Trade Committee of Inquiry heard evidence from the P.A.T.A., the Council's representatives found it necessary to impress upon the Committee most emphatically that the Association imposed no limits on the distribution of the articles on its Protected List, provided their re-sale conditions were complied with, and that in this direction it did not act and never had acted in restraint of trade. The Executive are convinced that this factor, in no small measure, contributed to the "Charter" which the Association, in common with other price-maintenance organisations, obtained as a result of the Committee of Inquiry's report.

... I am to express the hope that eventually it may be found possible for the various organisations within the drug trade to work in closer co-operation, so that matters affecting the interests of different sections of the trade may be dealt with in a spirit of mutual accommodation.

Inquests

At Bournemouth, on June 9, a "Misadventure" verdict was given at an inquest on the body of Mr. E. C. Platt, an estate agent, who died after drinking spirit of salt in mistake for cough mixture.

The South-West Lancashire coroner held an inquest, on June 5, on the body of Mr. Reginald W. S. Davie, the local representative of Yardley & Co., Ltd., who died in a Waterloo nursing home after extraction of teeth. A medical witness stated that generalised septic infection would sometimes occur in such cases, and nobody could foresee the results of it. The coroner recorded a verdict in accordance with the medical evidence. [Mr. Harold Lomax (Harold Lomax, Ltd.) writes: Mr. R. W. S. Davie was a real help to his customers, a real "live wire," a lovable friend, a ready helper, a man of dynamic energy. His naval training during the great war made him into a fighter, and he directed his energies in helping chemists to do and to strive to do big business.]

On June 4 the Birmingham City Coroner held an inquiry concerning the death of Ethel Greswolde, Hall Green, who, it was stated, died while being treated for rheumatoid arthritis at the Birmingham Nerve Hospital, Edgbaston. After the widower had given evidence, Dr. L. Jones said that the drug used in the treatment was gorun. Before he used it he made fairly widespread inquiries from consultants and his local suppliers. Until Professor Cloake had been called in, he did not know that a constituent of the drug was atophan. Atophan needed to be administered intermittently, not continuously,

as it had been in Mrs. Greswolde's case. There was no indication on the leaflet he received describing the drug. Professor P. C. Cloake (Birmingham University) said that he had not had much experience with the drug, but he knew it should be administered intermittently. Later literature concerning the drug contained a marginal note in regard to the process of administration, but witness did not think this sufficient. Witness diagnosed Mrs. Greswolde's condition as acute yellow atrophy, which he associated with the use of gorun, and a *post-mortem* examination was conducted. The witness added, in reply to further questions, that he did not see what useful purpose was served by the inquest, and did not report the death to the coroner's office. The Coroner: You have no justification to embark on a *post-mortem* examination and interfere with the evidence. What machinery would you propose to bring into action to supply the publicity I consider necessary?—I consider that the harmful effects of atophan are quite well known in the profession. The Coroner: This is a case in which I hold that you should not have made a *post-mortem* examination, as one would have been arranged by me, allowing those interested to attend. You should have known it was a coroner's case. "I dispute your right to say that," replied the Professor. Dr. H. G. Jacobsen, Woodstock Road, Golders Green, London, N.W., said, through an interpreter, that he was responsible for the formula of the drug. He introduced it in Germany in 1925 and in England in 1928. Asked by the coroner why the marginal note in the literature advertising the drug at present had not appeared in the leaflet issued to Dr. Jones, witness said the note was the result of a fatality in England some years ago. Dr. Jones's copy was issued previously. So far as he remembered, he had told Dr. Jones that the doses should be administered intermittently. Professor Kenneth D. Wilkinson (Birmingham University) said that the ordinary medical practitioner would not recognise the formula on the box containing gorun as atophan. The name which appeared was phenyl-quinolin-carboxylic acid. Recording a "Misadventure" verdict, the coroner said he thought Dr. Jones had administered the substance in good faith, as Dr. Jacobsen and the London distributors said it was good for the complaint and not dangerous. In future further and more explicit instructions as to the use of the drug should be supplied with it by the distributors, especially if the treatment was somewhat prolonged.

Staff Festivities

The annual staff outing of Burgoyne, Burbidges & Co., Ltd., took place on May 30, to Brighton. Some eleven coaches left the works at East Ham at 9.45 a.m., arriving at the Aquarium, Brighton, at midday. Luncheon was taken in the Prince's Hall under the chairmanship of Mr. R. G. Halstead (governing director), who was accompanied by Mrs. Halstead. The future prosperity of the company was toasted by Mr. H. Burton, of the sundries department. No special programme had been drawn up for the afternoon, and the party broke up into groups to sample the varied attractions of Brighton.

The annual garden party of the staff of Burroughs Wellcome & Co. was held in the grounds of the Wellcome Club and Institute, Dartford, on June 6. More than 500 members of the staff and friends were present, including Mr. G. E. Pearson (general manager), Dr. Jowett (works manager) and Mrs. Jowett, who distributed the prizes. The afternoon was devoted to a series of sporting events, which included keenly contested netball matches between teams from the Wellcome Chemical Works, Head Offices, and the Wellcome Physiological Research Laboratories. The tennis and bowls tournaments also attracted considerable attention. During the evening a concert, a whist drive, dancing on the lawn and a display of fireworks were among the attractions.

John Bell, Hills & Lucas, Ltd., held their annual staff outing at Brighton on June 7. Arriving at Brighton, the party was taken by private bus to Brighton East Park, and the events commenced with sports. Each department of the firm was represented by a team, and, as usual, there was keen competition for the Walter Hills challenge shield, carried off this time by the office team. A new feature—the Wyse challenge cup—presented by Anestan, Ltd., was won by Miss D. Knight (office). Lunch was taken at the Aquarium Restaurant. Mr. J. Stuart Hills (managing director) presided, supported by his fellow directors, Mr. H. B. Stevens and Mr. L. N. Hensman. The party again assembled in the Aquarium Restaurant for tea

and the prize distribution. Mr. J. Stuart Hills proposed a vote of thanks to Mrs. H. B. Stevens for consenting to present the prizes, and Mr. L. K. Brewster proposed a vote of thanks to the chairman.

London

An outbreak of fire occurred at the City Road branch premises of Solport Brothers, Ltd., Goswell Road, E.C.1, on June 8. The damage was not of importance, and normal working has not been interrupted.

The annual meeting of the British Standards Institution was held at the Institution of Mechanical Engineers on June 4 under the chairmanship of Mr. W. Reavell. At the luncheon which followed, Lord Riverdale, in proposing the toast of the Institution, referred to the manner in which the work was carried out, dealing as it now does with some 800 committees and over 1,000 meetings a year. He felt that "Empire standards" was one of the ways in which it was possible to consolidate Empire trade. The Institution is to convene a representative congress, to take place on June 24, to consider a request received that consideration be given to the desirability of preparing a series of standard methods of testing vegetable glues.

The following officers have been elected by the South-West London Chemists' Association and Branches for the session 1936-37:—*President*, Mr. P. H. Woodnoth; *Vice-Presidents*, Mr. E. N. Browne and Mr. H. R. Edgecombe; *General Secretary*, Mr. H. R. Edgecombe, 77 Atlantic Road, S.W.9; *Treasurer*, Mr. E. Skuse; *Social Secretary*, Mr. W. Atkinson, 301 Wandsworth Bridge Road, S.W.6; *Sports Secretary*, Mr. W. H. Usher, 38 Parsons Green, S.W.6; *Trade and P.A.T.A. Secretary*, Mr. F. J. S. Begg, 333 Battersea Park Road, S.W.11. The above officers, with the undermentioned, constitute the *Council*:—Mrs. V. S. I. Browne, Messrs. J. T. H. Evans, J. P. James, H. A. J. Peasall, D. A. Rees, W. A. Shakerley, P. Sparks, H. G. Tibbett, L. J. Walker.

At Clerkenwell Police Court, on June 9, Mr. Arthur Stanley Bott, Hatton Garden, E.C.1, was summoned for having illegally used the title Optical Prescriptions, Ltd. Mr. H. Ricketts, solicitor, defending, said he wished to enter a plea of "Guilty" in respect of April 6. It was stated for the Board of Trade that on April 3 the defendant issued letters bearing the heading Optical Prescriptions, Ltd., and signed "A. S. Bott, managing director." Optical Prescriptions, Ltd., was not formed till April 22, three weeks after. The Magistrate ordered the defendant to pay £2 2s. costs, and dismissed the summons under the Probation of Offenders Act.

Miscellaneous

At the Suffolk Agricultural Show, held at Stowmarket, on June 5, entries from the Ovaltine Dairy Farm gained fifteen awards, including champion, reserve champion, and four firsts.

LISTED SELLERS APPROVED.—Great Yarmouth Town Council, on June 9, approved five applications from persons who desired to become listed sellers of poisons in Part II of the Poisons List.

IN THE COURTS.—At Colne, on June 8, John C. Southworth (50), loomer, was fined 20s. for being drunk and disorderly and breaking a plate-glass window at the shop of Hirst & Co., chemists. He was also ordered to pay for the replacement of the window.

FIGHTING CO-OPERATIVE PROPAGANDA.—An "open letter" has been distributed to householders in Upper and Lower Weston, Bath, calling attention to a statement made in co-operative propaganda now being circulated, and pointing out the seriousness of the co-operative menace. Among the signatories is Mr. R. H. Pointing, chemist and druggist.

Scottish Notes

Scottish Pharmaceutical Federation

The first meeting of the new Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh on June 3, Mr. P. M. Duff (president) in the chair. The following office-bearers and committees were appointed:—*President*, Mr. P. M. Duff (Partick); *Vice-President*, Mr. John Weir (Clydebank); *Secretary and Treasurer*, Mr. H. Graham Macmillan, C.A. (Glasgow); *Solicitors*, Messrs. J. Miller Thomson & Co.,

W.S. (Edinburgh); *Auditors*, Messrs. Chas. Leigh Brown & Melville, C.A. (Glasgow). *General Purposes Committee*, Messrs. P. M. Duff, John Weir, W. Spence Culbert, James P. Ferrier, Sam. McConnell, Peter Nisbet and Alex. Murray; *Parliamentary and Law Committee*, Messrs. P. M. Duff, John Weir, C. A. Buick, John H. Ferguson, W. Spence Culbert and Wm. Reid; *Propaganda Committee*, Messrs. P. M. Duff, John Weir, H. W. Thomas, Alex. Murray and John H. Tainsh; *Finance Committee*, Messrs. P. M. Duff, John Weir, W. Spence Culbert, Alex. Murray and H. W. Thomas; *Pharmaceutical Parliamentary Fund Committee Representatives*, Messrs. P. M. Duff and John Weir, either of whom failing, Mr. W. Spence Culbert.

Regarding wholesalers who supply institutions at prices even less than those at which a chemist can obtain supplies from the same houses, a report was given of a satisfactory meeting which had taken place on May 20 between representatives of the Scottish Wholesale Druggists' Association and of the Federation regarding this matter. Further consideration was given to the question of a "Chemists' Friends" scheme for Scotland.

North British Executive

The following is the list of candidates for election to the North British Executive of the Pharmaceutical Society:—

Anderson, John Melvin, Glasgow	M'Call, David, Dundee
Arthur, Harvey Phillips, Glasgow	Mackenzie, Thomas, Inverness
Bennett, Frederick William Moncrieff, Arbroath	MacSween, Alexander, Glasgow
Culbert, William Spence, Airdrie	Miller, Thomas Campbell, Dunfermline
Currie, Archibald, Leith	Milne, James Robertson, Dundee
Duff, Peter Methven, Partick, Glasgow	Murray, Alexander, Pollok-shields, Glasgow
Harley, David, Musselburgh	Reid, William, Cupar
Hay, William Fowlie, Aberdeen	Sinclair, Thomas Lowrie, Greenock
Henry, James, Galashiels	Stewart, Charles, Kirkcaldy
Innes, James, Leith	Todd, James Prior, Glasgow

Voting papers must be returned so as to be received not later than 4 p.m. on Tuesday, June 16.

Brevities

Mr. W. E. Barber, chemist and druggist, has been appointed Scottish representative of Hirst, Brook & Hirst, Ltd., Leeds, in succession to Mr. H. Crowther, chemist and druggist, retired.

Mr. W. F. Prophet, chemist and druggist, who is a native of Forfar, and was educated at Dundee High School, has been elected president of the Associated Pharmaceutical Societies of South Africa.

Sir Hector Hetherington, M.A., LL.D., who has been appointed Principal and Vice-Chancellor of Glasgow University in succession to Sir Robert Rait, whose resignation was recorded in the *C. & D.*, May 30 (p. 617), is the son of a pharmacist, Mr. Thomas Hetherington, of Tillicoultry. Sir Hector was previously Vice-Chancellor of Liverpool University, and had been at earlier periods Lecturer in Philosophy in the Universities of Glasgow and Sheffield; Professor of Philosophy at the Universities of Cardiff, Exeter and Glasgow; and Principal of University College, Exeter. He was associated with the Intelligence Division of the Ministry of Labour in 1918-19, and was a member of the secretariat of the International Labour Conference in 1919. His new appointment will give pleasure to a wide circle of readers, especially in view of the association of the University of Glasgow with pharmacy.



Photo]

[Annan

SIR HECTOR HETHERINGTON

Dundee

Miss E. A. Carlton, M.P.S., Lochee, Dundee, is likely to leave for Calcutta in about four months' time, as she has recently become engaged to Mr. W. G. Kidd, the youngest son of Mrs. A. Kidd, Dundee.

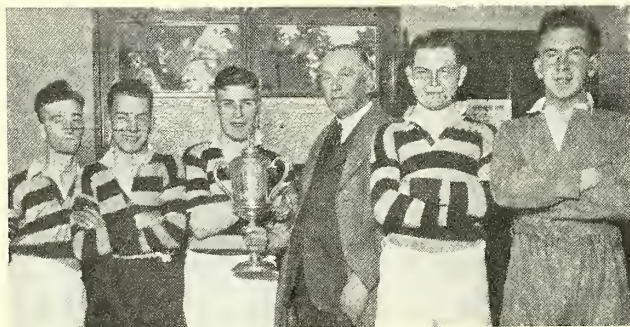
A conference of Scottish opticians was held in Dundee recently. On June 2 delegates met at Carnoustie to compete for the Scottish Opticians' gold trophy, which was won by Mr. S. R. Hyslop. In the evening of the same day a civic reception was held in the Victoria Art Galleries. On the following morning the Conference lecture was delivered by Mr. H. Freeman, F.B.O.A., whose subject was "The Development of the Human Eye." His lecture was illustrated by cinematograph films, one showing the development of the eye in the human embryo, and the other showing the cell life. The business session of the Conference was under the chairmanship of Mr. G. Calvert McConigal, F.B.O.A. An extensive agenda was carried through, including reports from the Glasgow Refraction Hospital, Herriot-Watt College and from members of Council of the B.O.A., I.O.O., and J.C.Q.O. Among other business discussed was the opening of local associations to all O.B.J.C. opticians which was approved, and a motion to constitute a Scottish body unaffiliated to any of the London bodies, which was not carried. On the evening of June 3 a successful dinner and dance was held.

Edinburgh

The annual match between Edinburgh and Glasgow chemists was played at Gailles, Ayrshire, recently, and resulted in a win for Glasgow, who became holders for the year of the Rainy Brown trophy.

Edinburgh.		Glasgow.	
A. Henderson	1 1/2	James M. Low	1 1/2
James Finlay	1	James Low	0
James Ross	0	J. Ross	1
E. Randall	0	D. Coutts	1
D. Forgan	1	E. Allison (capt.)	0
A. S. Cooper	0	A. Taylor	1
D. Nicol Brown (capt.)	1	E. Blyth	0
J. Bowman	0	R. Pollock	1
James Black	1/2	D. Hogg	1/2
J. Scott	0	A. Aitken	1
W. McIntosh	1	J. Hart	0
W. A. M. Hourston	0	D. Duncan	1
A. Nicholson	0	T. McLean	1
R. L. Munnoch	0	G. Adam	1
W. Chambers	0	J. H. Ramsay	1
R. Harvey	1	W. Wood Wilson	0
	6		10

The Edinburgh Pharmacy five-a-side football tournament (C. & D., June 6, p. 643) was concluded at East Pilton Park on May 3. J. & H. Spence won the Anderson Trophy, which was handed over by Mr. J. J. Lawrence. *Second Round*, T. & H. Smith, 11, J. Macfarlane, 0; Duncan, Flockhart B. 0,



WINNERS OF THE ANDERSON TROPHY

Pinkerton Gibson A, 3; W. Laird 0, J. & H. Spence 1; Harkness Beaumont 3, Lunan & Co. 1. *Semi-Final*, Pinkerton Gibson A, 1, T. & H. Smith, 3; Harkness Beaumont, 0, J. & H. Spence, 1. *Final*, J. & H. Spence, 2 goals and one corner, T. & H. Smith, 2. The winning team comprised, A. Tod, W. Lumsden, T. Henderson, G. Muir and J. Douglas.

Irish Notes

Irish Chemists' Golfing Society

This year's annual three-day tournament of the Irish Chemists' Golfing Society, held at Salthill, Galway, was favoured with ideal weather, and attracted a representative gathering of the profession from Dublin, Limerick and many other centres in the Free State. The province of Connaught sent a strong contingent from Mayo, Sligo and the country around Galway city. On the Sunday night preceding the start of the tournament the visitors were entertained to a dance. When play opened on the Monday morning the attendance included Messrs. Stewart, Liston and MacMahon, Limerick; T. Toher, Sligo; P. Larkin, Drogheda; J. D. Whelan, Galway (this year's captain); J. F. Costello (president of the Pharmaceutical Society of Ireland); P. Kavanagh, J. Cunningham and T. Slack, Westport; J. F. O'Hara, Trim; J. K. Whelehan, Mullingar; P. Ryan, Boyle; E. MacManus, Chapelizod; J. McCormack, Wexford; A. Thornton, Enniscorthy; P. J. Barry, Loughrea; J. Gilmartin, Sligo; J. Gubbins, Bray; C. C. Cahill, A. T. Roche, Robert Bates, J. Harwood, A. D. Davidson, A. W. Hughes, P. H. Fahy, J. J. Roche, R. W. Such, E. J. Fitzpatrick, Brendan Smith, J. Myles, T. Hannon,



A GROUP OF COMPETITORS

Dublin; Mr. F. E. Lescher, O.B.E. (president, Liverpool Chamber of Commerce). Results of the first day's play were given in last week's issue of the C. & D. The second day's competitions resulted as follows:—*Strokes*, P. H. Fahy (Dublin), 72 net; T. Toher (Sligo), 75 net; J. Cunningham (Galway), 75 net; J. Gilmartin, 76 net. *Putting Competition*, P. D. Larkin. *Evening Bogey* (First class) A. Davidson, 2 down, first; E. MacManus, 2 down, second; (second class) J. F. O'Hara, 3 down, first; J. Gubbins, 3 down, second. *Putting Competition*, R. Bates, Dublin. Results of the third day competitions were:—*Morning: Captain's Prize*, J. F. Costello (Galway), 74; runner-up, T. Toher (Sligo). Other prizewinners were: P. Harwood (Dublin) and W. J. Webb (Dublin). *Best Gross*, T. Stack (Westport). *Evening*, first, B. Smith (Dublin); second, R. Bates (Dublin); third, A. D. Davidson (Dublin); fourth, P. Harwood (Dublin). *Putting Competition*, P. C. Cahill (Dublin), 21. *Doctors' and Dentists' Competition*, Dr. C. O'Maille; Dr. M. O'Maille; Mr. F. Lenihan, L.D.S.

On the closing night about sixty members and visitors were present at the dinner held at the Warwick Hotel, Salthill. Mr. John Whelan (captain) proposed the toast of the Pharmaceutical Society of Ireland, to which Mr. J. F. Costello (president of the Society) responded.

On the invitation of Mr. J. F. Costello a number of visiting chemists spent an enjoyable day after the close of the competition fishing Lough Corrib from the president's motor boat.

Brevities

Whelan's Medical Halls, Galway, have opened a branch at Salthill, Galway.

Mr. F. J. Fitzpatrick (treasurer of the Pharmaceutical Society of Ireland) and Mrs. Fitzpatrick left Dublin this week on a holiday trip to the United States and Canada.

Belfast

Forty-seven entries and a perfect day ensured success for the annual golf competition for the McMullan cup, played over the Royal Belfast Golf Links on June 4. After keen play the results were as follows:—*Class A*, James Hayes, 86-10=76; *Class B*, S. H. Forrest, 87-20=67. The final result was a win for Mr. Hayes on the eighteenth green, one up. The visitors' prize was won by Mr. W. Magill (96-22=74). The afternoon competition against bogey was won by Mr. T. Currie (5 up), the runner-up being Mr. R. J. Barre (2 up). After lunch Sir Thomas McMullan (president) occupied the chair for the election of officers. The following were elected:—*Committee*, Messrs. W. J. Rankin, J. R. Guiler, A. T. Hardy, J. M. Poots, R. Linehan, J. A. McRoberts, A. Steede, G. H. Simms; *Treasurer*, Mr. S. H. Forrest; *Secretary*, Mr. James Macauley. A vote of thanks to the Council and members of the Royal Belfast Golf Club was proposed by Mr. W. J. Rankin and seconded by Mr. G. H. Simms. A vote of thanks to the donors of prizes was proposed by Mr. D. Tees and seconded by Mr. R. Linehan. Mr. John McGregor (president, Ulster Chemists' Association) proposed a vote of thanks to Sir Thomas McMullan, which was seconded by Mr. Fred Storey (president, Chemists' and Druggists' Society).

Dublin

The tender of Fannin & Co., Ltd., Dublin, for medical and surgical appliances has been accepted by the co. Kildare Infirmary Committee.

An attractive modern shop front has been installed at the pharmacy of Hayes, Conyngham & Robinson, Ltd., 112 Upper George's Street, Dun Laoghaire. Black toughened glass, which is practically unbreakable, is utilised for the bases of the windows, the surround and upper fascia. This is associated with stainless steel angle slips in a modern design,

sashes for the front being executed throughout in stainless steel. A special feature is the fascia, which is introduced into the space usually occupied by the transome. The back of the sign lettering is glazed with fluted glass, thus avoiding a dark interior. By flood lighting the back of the fluted glass an exceedingly fine night effect is obtained, the word "Chemists"



standing out in bold silhouette day and night. Entrance doors to pharmacy and residence are in black cellulosed hardwood with stainless steel mountings. In the window casings a good depth is provided, while the use of red glass for the transome with cellulosed cream lettering gives an artistic finish.

Topical Reflections

By Xrayser

Your Editorial Article,

entitled "Council Honours List" (*C. & D.*, June 6, p. 653) expresses the feelings of a very large number of pharmacists, particularly in what you say regarding the new officials. I am sorry that Mr. Peck decided to retire. In this column I have sometimes expressed my opinion upon his educational policy in a spirit of courteous criticism, but I have never wavered in my admiration for him as a pharmacist in the best sense of that word. I have been at many functions where he has spoken, and I have always felt that the interests of pharmacy and of the Society have been safe in his hands; the thanks of all pharmacists are due to him for his work as president, and I am glad that he will remain on the Council. In Mr. Marns we have a president of a different type. He stands rather for the commercial side of pharmacy; his experience has been along lines which have brought him more into contact with trade movements. I believe he will be none the worse for that, as he will be aware of what is happening in fields other than academic. My congratulations to him and my good wishes for his term of office. I consider the choice of Mr. Simmons as vice-president a happy one. He will bring to his new office an intimate knowledge of the conditions of the average retail pharmacist, and will be an acquisition as a speaker. I offer my congratulations to the three new members, and shall watch their careers with interest. Let the Council now get down to its work.

Amalgamations

are the order of the day. I note that Lord Leverhulme had much to say on this modern trend in business (p. 654). As a pharmacist I have watched the development of business combinations in retail pharmacy in anything but a detached frame of mind. I am of the opinion, an opinion based upon a long experience of the retail and wholesale drug trade, that the individual pharmacist will always hold his own in the life of the community;

he will do this because he will be able to express his personality in a way that is not possible to those in charge of company shops. I do not say that he will do this easily; he will have to do something more besides putting his name over the pharmacy. He will have to give a service equal if not superior to that of the "multiples"; his prices, although they need not necessarily be as low as theirs, will have to be reasonable; and he must concentrate on quality. Given the right "pitch" (without which no business will prosper) he need not fear multiple-shop competition unduly. In the wholesale trade amalgamations often mean a reduction in staff, usually on the executive side, although I agree that as a rule the number of representatives need not be cut down. Here again there is still room for the independent wholesaler.

I Am not Aware

of the need for expressing the fact that a dentist is qualified in any other way than by a plain "L.D.S.," which I believe is used in the majority of cases and distinguishes the qualified man from the unqualified who has been placed on the Register. It seems to me that the simpler a member of the medical profession (and I include dentists in that category) is in expressing himself on his plate or in correspondence the better—the day is passing, or has passed, when it was the fashion for a man to parade all his "letters." I wish there were some definite ruling upon the correct way to describe medical men who may possess a Bachelor of Medicine degree, but who have never taken that of Doctor of Medicine; a similar state of affairs exists with those who possess the joint qualification M.R.C.S., L.R.C.P. The public dub all such "Doctor"; the instructed address them as plain "Mr." or "Esq.," with the qualification following. In the days of my youth we never dared to address Fellows of the Royal College of Surgeons, with any other designation but plain "Mr." followed by the letters. I confess to a liking for the Quaker method of address—the christian name and surname only.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Bedfordshire.—A chemist who admitted misreading a test prescription was fined £1, the Pharmaceutical Subcommittee being of opinion that insufficient care had been exercised. The prescription was clearly made out for "mist. bismuth. fort., 10 oz." The chemist telephoned after the sample had been taken stating that "mist. bismuth. sed. fort." had been dispensed in error; if it had not been a test prescription he would have recovered the medicine from the patient. The doctor who issued the test prescription usually supplied mist. bismuth. fort.

Bournemouth.—The annual report of the clerk to the Insurance Committee states that there were seventy-nine chemists, with ninety shops, on the list on December 31, 1935. The total number of prescriptions dispensed by chemists was 158,216 at a cost of £5,740, against 151,670 and £5,463 in the previous year. The average cost per prescription was 8.067d., against 8.646d. in 1934.

Kent.—The chairman of the county Insurance Committee paid a tribute to chemists at a recent meeting, when it was reported that during the past twelve months no stronger proceedings than a caution were required in twelve tests referred for consideration out of 121 taken. The chairman was thanked by a spokesman of the chemists for his appreciative remarks. At a subsequent meeting resolutions in favour of the Shops (Sunday Trading Restrictions) Act, as amended, and of the Medicines and Surgical Appliances (Advertisement) Bill, if reintroduced, were passed by the Kent Insurance Committee.

Leeds.—The following statement, dated April 29, has been issued from the Ministry of Health:—The Minister of Health, having read and considered the report made by the Inquiry Committee constituted by him under Part VII of the National Health Insurance (Medical Benefit) Consolidated Regulations, 1928, on a representation made by the Leeds Insurance Committee to inquire into the case of Mr. G. Crawshaw, of 16 Headingley Lane, Leeds, 6, is satisfied that the continuance of Mr. Crawshaw on the list of persons supplying drugs or appliances would be prejudicial to the efficiency of the pharmaceutical service of the insured, and accordingly, in pursuance of Section 24 (5) (b) of the National Health Insurance Act, 1924, and of all other powers enabling him, has decided to remove and does hereby remove the name of Mr. G. Crawshaw from the list of persons supplying drugs or appliances for the area of the Leeds Insurance Committee as from and including May 11, 1936. The Minister makes no order as to the costs of the inquiry.

Staffordshire.—Unnecessary prescribing by doctors was commented on by the chairman at a recent meeting of the county Insurance Committee. In his opinion doctors in the Committee's area were not fulfilling their duty to use reasonable economy in prescribing. A steady increase from 3.67 prescriptions per insured person in 1931 to 4.18 in 1935 could not otherwise be explained. This represented an additional 129,000 prescriptions per annum. The total cost of an insured person was 32.78d. in 1935, compared with 31.65d. in 1934. The average number of insured persons was 292,648, compared with 288,737 in 1934. In five years the number of insured persons in the administrative county had increased by 15,100.

Surrey.—Penalties recommended by the Pharmaceutical Service Subcommittee were ratified by the Surrey Insurance Committee when the results of three test cases were reported at a recent meeting. In one case there was a deficiency in weight in the complete prescription and one of the ingredients was impure (£2 withheld from the chemist's remuneration). In another case the medicine was twice as strong as was ordered. The chemist pleaded that he guessed that it was a test prescription and this made him nervous (penalty of £1). In the third case the prescription was dispensed by an unqualified person under the supervision of a qualified chemist, and the proportion of one ingredient was wrong (£1 be withheld).

Tynemouth.—The Insurance Committee recently resolved that the Minister of Health's attention be again drawn to the anomalous position in which chemists were held responsible

for the contents of a package which they were required to purchase sealed and to supply with the seal unbroken. A chemist had been reported for having supplied a dressing which did not conform to requirements. The chemist pointed out that according to the Drug Tariff "standard dressings are to be supplied in a sterile condition and in sealed packets as received from the manufacturer." He produced a letter from a reputable firm of manufacturers, regretting that their product had been found to be other than in accordance with the requirements of the regulations, and explaining how the deficiencies might have occurred. The Committee recommended that no further action be taken so far as the chemist was concerned.

West Suffolk.—A report by the Medical Benefit Subcommittee on graded medicine bottles, arising out of recommendation for improvement in the extent to which graded bottles are supplied to insurance patients, was adopted by the Insurance Committee recently. The report stated that chemists were under no obligation to supply bottles marked in table-spoonfuls or other divisions, but that most chemists in the area supplied such bottles.

West Sussex.—The Pharmaceutical Service Subcommittee's recommendation of a warning to a chemist reported for incorrect dispensing was increased by the Committee to a fine of £1. For an alleged breach of service a fine of £2, with a warning, was imposed.

Wiltshire.—A penalty of 10s. was recommended in the case of a test prescription showing 68.7 per cent. excess of one ingredient; the chemist had previously been fined. In another case, where there was an excess of 24.3 per cent., the chemist submitted a sample to an independent analyst, when an excess of 50 per cent. was found. It was recommended that he should be fined £3 and warned.

SCOTLAND

Ayrshire.—Under the county Insurance Committee's scheme for the testing of drugs and appliances fifteen tests of drugs and three of appliances supplied by chemists have to be taken annually. For the current year a third of the quota has already been taken, and the results are very satisfactory. An application by an insured person who is employed on a ship engaged in coastal trade over the British Isles, to obtain medical benefit wherever he may be, by means of a traveller's voucher instead of a medical card, was considered at a recent meeting, and was granted. For the last two years the Committee have organised "Health Week" celebrations in the area. It was decided that the propaganda would have more effect if a year or two were allowed to pass.

Dundee.—Three chemists were recommended for censure and a fine of 21s. each recently by the Pharmaceutical Service Subcommittee of the Dundee Insurance Committee, who found that each chemist had committed a breach of the terms of service. Quantities supplied on prescription were stated to be not in accordance with the quantities ordered. The financial statement of the committee for 1935 showed receipts amounting to £44,297 and payments of £44,253. At a subsequent meeting it was resolved that a chemist be severely censured and that the sum of £2 2s. be deducted from his remuneration in respect of a sample of medicine not in accordance with the prescription. At the same meeting the Committee were "unable to hold that a doctor's refusal to comply with a request to visit an insurance patient at 2 a.m. constituted a breach of the regulations." The number of insured persons in Dundee now stands at 81,951, an increase of 1,700 over the January figure.

Kirkcaldy.—At a recent meeting of Kirkcaldy Insurance Committee the number of insured persons in the area during 1935 was reported as 17,361 and the amount expended on drugs £1,914. The expenditure on drugs left them with a deficit of £535. The deficit fell to be met by the central fund. It was explained that if the Committee had received 2s. per insured person, that deficit would have been only about £200.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

MAURICE P. HUNT, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a soap manufacturer carried on by M. P. Hunt at Carpenters Road, Stratford, E.15.

EXORS. OF WILLIAM SHARRATT, LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of manufacturing chemists carried on at Tower Works, Clayton, Manchester, by H. Sharratt and W. Sharratt.

FARMAKOSMET MANUFACTURING Co., LTD. (P.C.).—Capital £4,000. Objects: To carry on the business of manufacturers of cosmetics, pharmaceutical products, toilet preparations, etc. R.O.: 183 High Road, Loughton.

DRYVA (PRODUITS DE BEAUTE), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers and merchants of perfumery and cosmetics of all kinds, etc. R.O.: 9 Branksome Way, New Malden, Surrey.

W. RIMMINGTON, LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of a chemist and druggist, optician, now carried on by Mrs. M. E. Rimmington at 31 Otley Road, Shipley, as "Exors. of W. Rimmington."

MYLETO PRODUCTS, LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of manufacturers of all classes of hair preparations carried on by Edgar Hewitt and Norman B. Rowe at Strand Road, Preston, as "Myleto Products."

CHEMICAL AND CARBON PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of refiners and dealers in carbon products, manganese, graphite, zinc, wax, and raw materials, etc. R.O.: 91 Moorgate, E.C.2.

JOHN ROBERTS (MANCHESTER), LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of makers of and dealers in electrical and/or chemical appliances and goods, etc. R.O.: 1/3 Bridgewater Viaduct, Knott Mill, Manchester, 3.

INTERNATIONAL CHEMICAL RESEARCH ASSOCIATION, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a manufacturer of patent medicines carried on by Ernest E. Spiers at 69 Fleet Street, E.C., as the "International Chemical Association."

SHEFFIELD CHEMICAL Co., LTD. (P.C.).—Capital £35,000. Objects: To acquire the business of chemical manufacturers carried on by The Sheffield Chemical Co., Ltd., at Sheffield and Rotherham, Yorks. R.O.: Don Vitriol Works, Washford Road, Attercliffe, Sheffield.

EASTERN DRY ICE SYNDICATE, LTD. (P.C.).—Capital £1,200. Objects: To acquire any invention relating to an improved method of manufacture of dry ice, to adopt an agreement with Geo. D. G. Cribb, and to carry on the business of liquid and solid carbon dioxide manufacturers, etc. Solicitors: J. E. Lickfold & Sons, 17 Bedford Row, W.C.1.

DROGHEDA CHEMICALS, LTD. (P.C.).—Registered in Dublin. Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in chemicals of all kinds, dealers in limestone, lime, gypsum, etc. The directors are: Henry C. Nealon, 4 Ashdale Road, Terenure, Dublin, and Hugh S. Watson, "Kincora," Malahide, co. Dublin, directors.

OMNIVITE, LTD. (P.C.).—Capital £200. Objects: To carry on the business of manufacturers of and dealers in medicinal products for horses, cattle, poultry and other animals, etc. Bruce H. Rogers, "The Hollies," Booton, Norfolk; Chas. R. Russell, The Grange, Attleborough, Norfolk. Remuneration as fixed by the company. R.O.: Hargham Road Granaries, Hargham Road, Attleborough, Norfolk.

GREEFF-CHEMICALS HOLDINGS, LTD. (Public Company).—Capital £250,000 in 250,000 5½ per cent. cumulative preference shares of 10s. each issued at 10s. 6d. and 500,000 ordinary shares of 5s. each issued at 7s. 6d. per share. Directors: John Strickland Lake, F.C.A. (chairman, R. W. Greeff & Co., Ltd.); Alfred John Thompson (a managing director, R. W. Greeff & Co., Ltd.); Arthur Frederick Butler (a managing director,

R. W. Greeff & Co., Ltd); Stanley Bayliss Smith, F.C.A. Objects: To acquire the whole of the issued share capital of R. W. Greeff & Co., Ltd., merchants and distributors of industrial and pharmaceutical chemicals, acids, paints, abrasive materials, etc. R.O.: Thames House, Queen Street Place, E.C.4. Bankers: Midland Bank, Ltd., 20 Eastcheap, E.C.2. Subscription opened on Thursday, June 11, and closed at 9.5 a.m., the preference share issue being fully subscribed and the ordinary share issue very heavily over-subscribed.

BRITISH FUR PUFFS, LTD.—At a meeting held in London on May 25, it was resolved that this company be wound up voluntarily. Mr. C. H. Appleby, Aldwych House, London, W.C.2, was appointed liquidator.

Voluntary Liquidations

Impex (Toilet Goods London), Ltd., 26 Bartholomew Square, London, E.C.1. At the statutory meeting of the creditors recently at Winchester House, E.C.2, a resolution was passed confirming the voluntary liquidation of the company with Mr. H. Green as liquidator. The statement of affairs showed liabilities of £13,646. After allowing £41 11s. 8d. for preferential claims, the net assets were £6,337 6s. 4d., or a deficiency as regarded the creditors of £7,308 13s. 8d. The issued capital of the company was £3,500, and as regarded the shareholders there was a deficiency of £10,808 13s. 8d. That deficiency was due to the following items: Loss on trading since January 1935, £1,823; bad debts, £200; depreciation of fixtures and fittings, £349; goodwill written off, £2,000; written off patent rights, £1,500; depreciation of machinery and tools, £900; and written off stock, £4,026. The company, it was stated, was registered in December 1934 with a capital of £3,500, and it took over the business which was commenced in 1919.

Turtle Oil Properties, Ltd., 17 Maddox Street, London, W.1. The statutory meeting of creditors was held recently at the offices of Messrs. Charles Comins & Co., C.A., 50 Cannon Street, London, E.C. The statement of affairs showed ranking liabilities of £657 14s. 11d., made up as follows: Trade creditors, £243 12s. 5d.; and cash claims, £414 2s. 6d. The assets totalled £99 8s. 6d., or a deficiency of £558 6s. 5d., so far as the creditors were concerned. The issued capital of the company was £99 4s., divided into 992 ordinary shares of 2s. each, all fully paid, and as regarded the shareholders there was a deficiency of £657 10s. 5d. It was reported that the company was formed in August 1935 with a nominal capital of £100. The total sales of the company had only been £102, whilst in the same period the expenses were £461. It was decided that the voluntary liquidation of the company should be confirmed, with Mr. Charles Comins as liquidator.

Photographia (Golders Green), Ltd., 873 Finchley Road, Golders Green, London, N.W.11. The statutory meeting of the creditors of the above was held recently at the offices of the company, when it was stated that the shareholders had previously met and had nominated Mr. W. R. Clemens, of 2 Coleman Street, London, E.C., to act as liquidator. A statement of affairs was submitted which showed ranking liabilities of £1,403 15s. 6d. After allowing £303 10s. for preferential claims the net assets were £435 10s., or a deficiency of £968 5s. 6d. It was reported that the company was formed in June, 1934, and took over an existing business. The issued capital of the company was £2,000, of which 500 shares were issued for cash, and 1,500 shares for a consideration other than cash. No figures were available regarding the turnover, but it was stated that it was in the neighbourhood of £3,500 per annum. An offer was made of a composition of 5s. in the £. It was decided that the meeting should be adjourned for seven days to enable arrangements to be made in that connexion.

General Medical Council

(Concluded from the C. & D., June 6, p. 648)

PHARMACOPŒIA COMMITTEE

The Pharmacopœia Committee reported that the number of copies of the British Pharmacopœia sold to date is 40,602. The Committee also reported the receipt of a report from the Pharmacopœia Commission; the following are the principal passages:—

The principal recommendations made by the Committees and subcommittees during their work of the past three years have been published in the form of a report (No. 9 of the series of Reports of Committees), and a number of comments and criticisms have appeared in the technical Press or have been communicated directly to the Commission.

The Eleventh United States Pharmacopœia, which was published in December 1935, and will become official on June 1, 1936, has been reviewed by the Committees and by the Commission from the point of view of uniformity between the two Pharmacopœias.

Observations on the draft Addendum have been received from the committees in India and certain of the Dominions . . . alterations have been made in the draft Addendum to meet criticisms and to bring the British Pharmacopœia as far as possible into line with that of the United States.

The text of the Addendum is now complete, and . . . it is expected that the work will be completed in time for copies to be available for inspection in September and for publication to take place in December.

The Commission acknowledge also the very considerable help which they have received from the committees in India and the Dominions, and the assistance and encouragement which has come from co-operation with the United States Pharmacopœia Committee of Revision.

Work has continued in the laboratory, not only on the matters of detail required in the adjustment of the final draft of the Addendum, but also on the larger problems which require attention in connection with the preparation of the next Pharmacopœia.

PHARMACOPŒIA SELECTION COMMITTEE

The Committee further reported that a British Pharmacopœia Selection Committee nominated as follows was appointed to nominate persons to the Council for appointment as members of the Commission with effect from October 1, 1936:—

Nominated by the Council.—The President (chairman), Sir Farquhar Buzzard, Mr. Leathes, Dr. Tidy.

Nominated Jointly by the Council of the Pharmaceutical Society of Great Britain, the Council of the Pharmaceutical Society of Ireland, and the Council of the Pharmaceutical Society of Northern Ireland.—Mr. E. T. Neathercoat, C.B.E., Mr. E. Saville Peck, Mr. H. Skinner.

Nominated by the Medical Research Council.—Sir Henry H. Dale, C.B.E., Dr. E. Mellanby.

A meeting of the Selection Committee was held on February 26, when it was resolved:—

(1) That the following persons be nominated for appointment by the Council as members of the British Pharmacopœia Commission with effect from October 1, 1936:—

(a) *Members with Special Knowledge of Clinical Therapeutics.*—Dr. A. P. Beddard, Professor O. L. V. S. de Wesselow, Professor F. R. Fraser, Dr. Donald Hunter.

(b) *Member with Special Knowledge of Pharmacology and Experimental Therapeutics.*—Professor J. A. Gunn.

(c) *Member with Special Knowledge of Substances Requiring Standardisation by Biological Methods (Therapeutic Substances).*—Dr. Percival Hartley.

(d) *Member with Special Knowledge of General Pharmacy.*—Mr. R. R. Bennett, B.Sc., F.I.C.

(e) *Members with Special Knowledge of Pharmaceutical and Organic Chemistry.*—Dr. W. H. Linnell, M.Sc., F.I.C., Mr. T. Tickle, B.Sc., F.I.C.

(f) *Member with Special Knowledge of General Chemistry.*—Mr. Bernard Howard, B.Sc., F.I.C.

(2) That the name of Dr. A. P. Beddard be submitted to the Council for approval of his appointment to be chairman of the Commission. . . .

(3) That the Committee recommend that the term of office of the Commission constituted in accordance with the preceding resolutions of the Committee be two years from October 1, 1936.

OTHER BUSINESS

Among other business (which included the submission of various reports from committees), it was ordered that the name of Mr. Salvatore Donadelli, M.D., Padua, Hanbury Road, Pontypool, be erased from the Register. The Council sanctioned certain changes in the medical curriculum.

Birmingham Analyst's Report

THE report of the Birmingham City analyst for the first quarter of 1936 records that 1,467 samples, of which 65 were formal, were taken during the period covered. Among them were:—Ammoniated tincture of quinine, 8 (1 incorrect); borax, 5; boric acid ointment, 7; camphorated oil, 6; castor oil, 11; citric acid, 6; Glauber's salt, 12; glycerin, 7; glycerin of borax, 6 (2 incorrect); compound liquorice powder, 6; essence of peppermint, 7 (2 incorrect); olive oil, 6; seidlitz powders, 10 (1 incorrect); soda, bicarbonate of, 7; zinc ointment, 11; aspirin tablets, 2; Clotabs, 1; halibut-liver oil tablets, 1; rheumatism tablets, 1.

AMMONIATED TINCTURE OF QUININE.—The incorrect sample of ammoniated tincture of quinine contained 2.3 per cent. of quinine sulphate, an excess of 15 per cent. The retailer from whom the sample was bought obtained his supplies from a well-known firm in London, and in a communication from the latter it was admitted that the quinine content was high. The only explanation they could offer was that owing to the very warm weather the quinine sulphate, from which the tincture was made and which had been in stock for two months, had lost water by efflorescence. "This explanation," the report states, "is most likely correct, but the retailers have made strong representations to the manufacturers that the B.P. standard should be strictly maintained."

ESSENCE OF PEPPERMINT.—Isopropyl alcohol was used as the solvent instead of ethyl alcohol in one sample of essence of peppermint. The chief chemist of the firm responsible declared that the supply of the isopropyl mixture as the B.P. article could not be traced owing to the large amount of trade done at the shop, but stated that all assistants had strict instructions to explain the difference between the two articles to customers who were not clear as to which they required, to label the article sold in accordance with its nature, and to give verbal notice if the cheaper article was supplied. In another similar case the explanation given was that the cheaper article had been supplied during the chemist's absence by his wife, who thought that the customer would not be prepared to pay 4s. for 2 oz. of the B.P. spirit, but omitted to use the slip label invariably supplied in such cases by himself and his assistants.

GLYCERIN OF BORAX.—A deficiency of 30 per cent. was discovered in a sample of glycerin of borax. The vendor discovered that some of the borax which should have been in solution was at the bottom of the stock bottle. Another vendor, whose sample was deficient by 20 per cent. in borax, explained that the stock had been made about nine months previously by his assistant, and that it was difficult to account for the matter otherwise than by assuming that an error in weighing had been made or that the glycerin had been measured instead of weighed.

VINEGAR.—Four samples sold as vinegar consisted of artificial vinegar, i.e., dilute acetic acid coloured with caramel. As there was no suggestion that any attempt had been made to sell the article as malt vinegar no further action was taken.

TABLE VINEGAR.—Sample labelled "Pure non-brewed Table Vinegar. Described as non-brewed to distinguish it from malt vinegar" consisted of artificial vinegar. The term "table vinegar" is generally understood as indicating a superior brewed article. . . . The makers were interviewed, but as no agreement could be arrived at for the proper labelling of the vinegar, its sale has been discontinued and the firm now manufactures malt vinegar only.

"Dropping the Pilot"

Mr. Dick's reference to the retirement of Mr. John Rutherford Hill

UNDER the above title Mr. A. A. Dick, a member of the Pharmaceutical Society's Council, recently included a paragraph in a page on "The Flotsam and Jetsam of Pharmaceutical Politics" in the June issue of "The Scottish Chemist."

"When Bismarck stepped down from the Chancellorship of Germany," the paragraph runs, "it was a world-wide thought that a fatal error had been made by somebody, and when we heard that John Rutherford Hill had intimated his resignation as Resident Secretary in Scotland for the Pharmaceutical Society we could not help but think that this would probably mean as much to pharmacy as Bismarck's withdrawal meant to Germany. For over fifty years he has been the man of 'knowledge and of purpose' in British Pharmacy, and at critical moments when the question was 'whither now?' he has ever provided the clearest and most definite answer, and his prestige invariably compelled a ready and willing assent. Nominally he may retire, but in reality we shall ever, while he lives, turn to him as the oracle who holds the answer to all our pharmaceutical perplexities. To John Rutherford Hill work has always been the truest form of rest, and if he drops certain forms of responsibility we can rest assured he will take up others that will not be less helpful to his life work, the welfare of the craft."

Our illustration is adapted from the famous cartoon "Dropping the Pilot" which appeared in "Punch" on March 29, 1890.



Preserving Morphine Injections

In the "Quarterly Journal of Pharmacy and Pharmacology" (8, 4, 683) H. Davis suggests the following formulas for injections of morphine hydrochloride:—

I			
Morphine hydrochloride	...	...	2.5 gm.
Para-chloro-meta-cresol	...	...	0.05 gm.
Distilled water to	...	...	100.00 mls.

Prepare with aseptic precautions and sterilise by heating at 80° C. for one hour.

II			
Morphine hydrochloride	...	...	2.5 gm.
Para-chloro-meta-cresol	...	...	0.1 gm.
Distilled water to	...	...	100.0 mls.

Sterilise by heating in an autoclave.

Pharmacy Teaching in Spain

THE pharmaceutical course of the year 1931 in Spain was only provisional, a more extensive course being under consideration. On September 18, 1935, a new order included two new subjects. The new course is as follows: *First year*: Higher mathematics; theoretical and experimental physics; experimental chemistry. *Second year*: Physics as applied to pharmacy; applied mineralogy and zoology. *Third year*: Descriptive botany; classification of medicinal plants; applied inorganic chemistry. *Fourth year*: Applied organic chemistry; vegetable materia medica; hygiene; bacteriological analysis; applied microbiology. *Fifth year*: Chemical analysis; practical pharmacy; bromatology and toxicology. The *Doctorat* also includes: History of pharmacy; biochemistry; special analysis of organic medicaments.—"Noticias Farmacéuticas."

Trade Notes

IODISED THROAT TABLETS.—Thos.



Guest & Co., Ltd., Carruthers Street, Ancoats, Manchester, are offering attractive showcards to assist pharmacists in furthering the sales of "Sure Shield" Brand Iodised Throat Tablets. The showcards measure 9½ in. by 12 in. and are printed in two colours, illustrated by means of actual photographs. The tablets are issued in tins of two sizes.

BATHING CAPS.—W. W. Haffenden, Ltd., 12 Well Street, London, E.C.1, are drawing attention to the various bathing caps manufactured by them. Elsewhere in this issue the announcement is made that there are 5,000 dozen bathing caps in stock throughout the season.

SKOL SUN LOTION.—Inquiries for trade terms and details of a display offer are given in our advertising pages. Skol sun lotion is issued in three sizes by Skol Products, Ltd., 1 Rochester Row, London, S.W.1. National advertising is in progress.

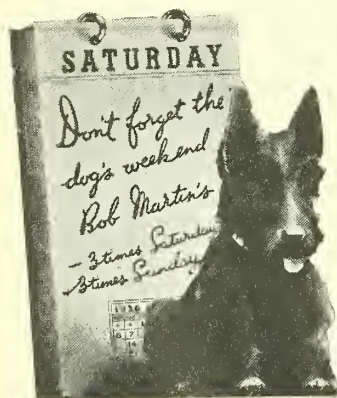


HAY FEVER SEASON.—The Petrolagar Laboratories, Ltd., Braydon Road, London, N.16, have issued a new showcard in colour drawing attention to the value of Endrine Nasal Compound for summer colds, catarrh and hay fever. Specimens may be obtained on application.

NIVEA CREME.—Beiersdorf, Ltd., Welwyn Garden City, Herts, have available some attractive showcard and window sign material.

SUN TAN.—Jane Seymour's new sun tan block has been issued to take the place of oil. This block is packed in green cases oval-shaped to fit the hand, and grease proof. Chemists are invited to get in touch with Jane Seymour, Ltd., 23 Woodstock Street, London, S.W.1, for full particulars.

DOG DAYS.—Bob Martin, Ltd., Southport, Lancs, always



issue advertising matter worthy of consideration in regard to display. We illustrate herewith one of the new showcards available for chemists, and specimens may be obtained on application.

MOTOR TURNABLES.—Berry's Electric, Ltd., Touchbutton House, Newman Street, London, W.1, manufacture electric motor turntables for shop windows. Animated advertising is shown to advantage in a showroom, yet we should like to draw attention to the fact that on

The CHEMIST AND DRUGGIST stand at the British Industries Fair a most effective exhibit was based on one of the motor turntables, which can be used to advantage by retailers.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1936, p. 322.

(From "The Trade Marks Journal," May 27, 1936.)

- "MASTEXO"; for agricultural chemicals, etc. (2). By Osmond & Son, Ltd., Standard Chemical Works, Doughty Road, Grimsby. 567,065.
- "VENETAN"; for agricultural chemicals, etc. (2). By Bayer Products, Ltd., 31-34 Basinghall Street, London, E.C.2. 567,529.
- "NUTILIS"; for insecticides (2) and for perfumery, etc. (48). By Nutilis Products, Ltd., 137 Fenchurch Street, London, E.C.3. 568,016/017. (Associated.)
- "MONLEED"; for veterinary chemicals, etc. (2). By Veterinary Research, Ltd., Henbury House, Douglas Road, Hounslow. 568,344.
- "TITANOINT"; for titanium preparations for skin diseases, excluding soap (3). By P. Metadier, 53 rue Nationale, Tours, France. 565,110.
- "EDUIM"; for medicines for man (3). By F. Mercer & Co., 1A Craven Terrace, Sale, Cheshire. 566,838.
- "BIOGLAN"; for biological substances for intramuscular injection (3). By The Bowsler Laboratories, Ltd., Ponsbourne Manor, Newgate Street, Hertford. B565,708.
- "CIGATARA"; for medicated preparations (3). By D. Marshall, "Glenferry," Regent Road, Altrincham, Cheshire. 565,749.
- Badge design with letters PL and trident; for pharmaceutical preparations, excluding soap (3). By Petrolagar Laboratories, Ltd., The Factory, Braydon Road, London, N.16. 566,832.
- "NYCO"; for medicated saline preparations (3). By Nyegaard & Co., Aktieselskapet, Schubelersgate, 7, Oslo, Norway. 566,984.
- "REGNAFLEX"; for all goods (3) and for all goods (11). By E. Taylor, Ltd., Monton Fields Road, Monton, Eccles. 567,497/498. (Associated.)
- "CIBUTIS"; for medicinal chemicals (3) and for cosmetic preparations (48). By Deutsche Hydrierwerke A.-G., Kanstrasse 163, Berlin-Charlottenburg. 567,663/664. (Associated.)
- "SORMAL"; for medicinal chemicals (3). By The British Drug Houses, Ltd., 16-32 Graham Street, London, N.1. 567,959.
- "SCOTTINA"; for medicinal chemicals (3). By Scott & Bowne, Ltd., 10 and 11 Stonecutter Street, London, E.C.4. 568,139. (Associated.)
- "RINSTEAD BRAND"; for medicated lozenges (3). By The Broadgate Co., Ltd., 24 Old Broad Street, London, E.C.2. 568,224.
- "DRAINOREX" and "HOMEINE"; for medicinal chemicals (3). By Etablissements Pastival, S.A.R.L., 27 Boulevard Bourdon, Paris (IVe). 568,311/312.
- "GLODONNEL"; for medicinal chemicals (3). By Societe Anonyme pour l'Expansion des Marques de Fabrique et de Commerce, 122 rue Danton, Courbevoie, France. 568,383.
- "ECLIPSE"; for microscopes and slides (8). By M. Aberstone, 117 Dartmouth Road, London, N.W.2. 565,464.
- "MATELUX"; for electric photographic lamps (8). By Modern Traders, Ltd., 8/10 Oxford Circus Avenue, London, W.1. 567,320.
- "RAINBOW"; for surgical instruments (11). By J. Dalby, 173 Fagley Road, Bradford. 568,416.
- "RYS-KA"; for mineral and aerated waters (44). By Singleton & Crystal Bottlers, Ltd., 2 Bickerstaffe Street, Blackpool. 568,041.
- "CHIFFON"; for perfumery, etc. (48). By Primrose House, Inc., 15 Exchange Place, Jersey, U.S.A. 564,903.
- "PAXCOS"; for perfumery, etc., excluding soap (48). By A. A. Auger The Pax Cosmetic Co., 121 Manchester Road, Chorlton-cum-Hardy, Manchester. 566,926.
- "XMAS BELLS" with Molinard and illustration of bell; for perfumery, etc., excluding soap (48). By Parfums Molinard, Ltd., 52 Brook Street, London, W.1. 555,695. (Associated.)
- "AEROMATT"; for toilet preparations (48). By J. & E. Sturge, Ltd., 1 Wheellys Road, Birmingham, 15. 566,589.
- "JUCHTA"; for perfumery, etc. By F. M. Manasse, Sentinel House, Southampton Row, London, W.C.1. 567,400.
- "DALMA"; for all goods (48). By A. de St. Dalmas & Co., Ltd., Junior Street, Leicester. 567,690.
- "L'ELISE"; for perfumery, etc. (48). By E. C. Templeton and I. Blofeld, 32 Pembridge Gardens, London, W.2. 568,261.

Births

Notices for insertion in this column must be properly authenticated

HEWARD.—On June 6, the wife of Ronald W. Heward (The R. H. Heward Co., surgical appliances manufacturers), Twickenham, of a son.

JOY.—At "Accra," Brundon Avenue, Monkseaton, on June 3, Rita, wife of A. Leslie Joy, M.P.S., of a son.

RANSON.—At Viewhill Nursing Home, Inverness, on June 5, the wife of Captain Ranson (Grace Cumming, chemist and druggist), of a daughter.

RUSHTON.—At White Heather Nursing Home, Scarisbrick Road, Southport, on June 8, the wife of G. I. Rushton, chemist and druggist, 32 Falkland Road, Southport, of a son.

SMITH.—At "Warmdene House," Carden Avenue, Brighton, on June 8, the wife of J. Wm. Smith, M.P.S., of a son.

Marriages

ALDINGTON—HUGHES.—At Westbourne Park Baptist Church, Paddington, London, W.2, on June 6, Allen Aldington, M.P.S., eldest son of Mr. Aldington, Bradford, to Margaret Joan Hughes, only daughter of Dr. S. W. Hughes, Wimbledon, London, S.W.

CLARK—HOWE.—At St. Michael's Church, Heavitree, Exeter, recently, George Robert Clark, M.P.S., Malpas, to Ivy Howe.

NORMANSHIRE—JONES.—At St. John's Church, Masborough, Rotherham, on June 1, Jesse Normanshire, M.P.S., Stockport, to Dorothy Mildred Jones.

PARKER—WOOLSTON.—At St. Mary's Parish Church, Warbleton, Sussex, on June 1, William R. C. Parker, M.P.S., to Margaret E. Woolston.

PAUL—GRANT.—At Nairn, on June 3, William Dunn Paul, chemist and druggist, to Muriel Jane Grant.

SLATER—MORLEY.—At King Cross Methodist Church, Halifax, on June 4, Frank Milnes Slater, M.P.S., to Mary Morley.

Deaths

BARKER.—On May 31, Mr. Sidney Francis Barker, chemist and druggist, 46 Chesterton Road, Cambridge. Mr. Barker, who qualified in 1902, was a member of the Cambridgeshire Insurance Committee and a prominent freemason.

GOUDIE.—On May 28, Mr. Ronald Edward Goudie, M.P.S., a director of Harkness, Beaumont & Co., Ltd., manufacturing chemists, Junction Bridge, Leith, aged twenty-nine.

SANDBERG.—At North Finchley, London, N.12, on May 25, Mr. Frederick James Sandberg, chemist and druggist, aged sixty.

SMITH.—On June 4, Mr. Edward Smith, aged eighty-nine. Mr. Smith had been with Meggeson & Co., Ltd., New Church Street, London, S.E.16, ever since he was twelve years old. He had been retired on pension for the last thirteen years, prior to which he had served sixty-four years with this company.

THOMSON.—At Stratheden, Glasgow Road, Denny, on June 2, Mr. Robert Thomson, chemist and druggist, aged fifty-nine. Mr. Thomson was preparing to leave on a Mediterranean cruise, but became ill and passed away after a few days' illness. He had been in business in Denny for over thirty years. He was a member of the Kirk session of Denny Old Parish Church, and took a prominent part in masonic affairs. Mr. Thomas is survived by a daughter and by a son, who was associated with him in business.

WILSON.—Recently, Mr. Alexander Willoughby Wilson, chemist and druggist, Percy Circus, London, W.C.1. Mr. Wilson qualified in 1901.

Personalities

MR. H. J. POPLER, chemist and druggist, has been granted permission to practise in Jersey.

MR. J. W. HUDDART, chemist and druggist, Blackpool, has been elected vice-president of the local Rotary Club.

MR. A. D. PURSE, chemist and druggist, and MRS. PURSE, Sunderland, recently celebrated their Diamond wedding.

MR. THOMAS G. STEWART, chemist and druggist, Bracknell, captained the Berkshire County Bowls team in their Middleton cup championship match with Dorset.

THE Albert medal of the Royal Society of Arts for 1936 has been awarded to the Earl of Derby "for the advancement of commerce and arts, especially in Lancashire."

NOTICE is given in "The London Gazette" that Hyman Ruben Clein, 25 Tollington Park, Finsbury Park, London, medical practitioner, has assumed the name of Heyman Robert Cline.

THE National Association of Women Pharmacists was represented at the recent garden party organised by the International Alliance of Women to welcome the Emperor of Ethiopia and his daughter, Princess Yashimabet. Among those present were Mrs. Skinner (president), Miss Blundell (vice-president), Mrs. Freke, Miss Dennis Hayes, Miss Curry and Miss Hindes (secretary). The president and secretary were presented to the Emperor and the Princess.

Wills

MR. THOMAS SHERBURN, Ph.C., 29 Oxford Mansions, W.1, who died on March 1 last, aged eighty-eight, left £9,305, with net personalty £9,142.

MR. DONALD DANIEL McRAE, Broompark, Denny, Stirlingshire, managing director of Robert Benny & Co., Ltd., manufacturing chemists, who died in January 1936, left £8,905.

MR. ARTHUR UNDERWOOD GRAY, 2 Market Hill, Rothwell, Northants, chemist and druggist, who died on January 11 last, left estate gross value £10,375, with net personalty £6,434.

MR. THOMAS FRANCIS JOHNSTONE, Balvaig, St. Cuthberts Avenue, Maxwelltown, Dumfries, chemist and druggist, who died on March 9 last, aged eighty, left personal estate in Great Britain valued £5,846.

MR. GILBERT BEITH HAY, Burlington House, 1658 Maryhill Road, Glasgow, chemical manufacturer, of Messrs. Hay, Steven & Co., of Kelvindock, Maryhill, Glasgow, who died on October 6 last, left personal property valued £7,141, of which £6,719 is in Great Britain.

Coming Events

This section is reserved for advanced notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, June 15

Institute of Ophthalmic Opticians. Annual Provincial Conference, Llandudno. Continues until June 18. Early application for tickets should be made to the secretary, 7 Park Lane, London, W.1.

Pharmaceutical Society, West Ham and Eastern District Branch, Church Institute, 27 Romford Road, E.15, at 9 p.m. Mr. H. N. Linstead on "The New Poisons Legislation."

Wednesday, June 17

South-West Chemists' Association and Branch. Visit to the gardens of Mr. Frederick J. Hanbury, East Grinstead, conducted by the owner. Meet at East Grinstead, 2.45 p.m. Party limited.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 11 a.m. Annual meeting.

AMERICAN PHARMACEUTICAL ASSOCIATION.—The annual meeting of the Association and affiliated organisations will take place at Dallas, Texas, from August 24 to 29, during the period of the Texas Centennial Exposition.

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A modern remedy for Boils, Acne, Carbuncles, etc.

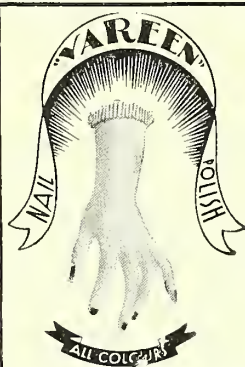
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Favourite Colours :
Natural Pearl Lake Red
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NAIL POLISH
1/- size, 7/6 doz. 1/6 size, 10/6 doz.
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1/- size, 7/6 doz. 1/6 size, 10/6 doz.

CUTICLE CREAM
1/- size, 7/6 doz. 1/6 size, 10/6 doz.

VAREEN CUTICLE REMOVER
non-caustic, delicately perfumed.
1/- size, 7/6 doz.

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A PAYING PROFESSION

Our Free Booklet, "Surgical Chiropody as a Profession," will show you how you can learn AT HOME the latest scientific methods of Foot Treatment. It is allied to your own profession. Qualify for the School Certificate (M.S.S.C.H.) and become a trained expert. Low Fees by instalments.

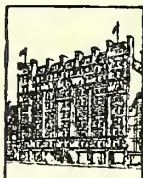
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H. & C. Water and Bedlights in all Rooms.

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A.A. and R.A.C. Recommended.

100 yards from Headquarters of the Pharmaceutical Society.
Ideally quiet rooms for study.

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'Poisons Guide'

Simple—concise—authoritative—it will pilot you through the intricacies of the New Poisons Legislation. Spirax binding ensures flat opening for quick and handy counter or warehouse use.

"The Script" says—"What we have said before bears repetition. The Chemist and Druggist List is the one we recommend; it is the one we use."

A well-known firm of manufacturing chemists says :
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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

H/96. Katherine Carver beauty products	B/86. Pyrex toothbrush
M/86. Krekway toothbrush	M/86. Radium rat poison
C/16. Peptonised cod-liver oil	P/22. Triethylaminarsenite
B/16. Playtex baby pants	J/86. Vittol (not Dettol)

THE CHEMIST AND DRUGGIST

VOL. CXXIV.

June 13, 1936

NO. 2940

Occupational Details

AN interesting report has been made by the Pharmaceutical Society in regard to the occupations of members. We are informed that there are 20,125 members of the Society who have paid retention fees, and of this number 15,939 complied with the request for details of their occupation. The Society is to be congratulated on obtaining so large a number of replies. It is perhaps unnecessary to add that if members of the Society had used their votes in past years to this extent, the result would no doubt have had an effect upon the trade which would have been more than illuminating. The *questionnaire* issued divided members of the Society into the following groups: retail, wholesale or manufacturing, hospital, work outside pharmacy, retired, unclassified, unemployed. The number of pharmacists who are owners of shops number 6,237, managers amount to 4,874, and qualified assistants to 2,077. In the second group of wholesalers, there are only 131 owners, 228 in laboratories, and 397 concerned with office work or on the road. Hospital pharmacists number 390 as chief pharmacists and 239 assistants. There are 186 registered pharmacists outside pharmacy and 536 retired, 707 unclassified and 103 who are unemployed. If the computation of the entire membership of the Society is made on this basis, it will be found that the influence of the Society throughout the trade is considerably below what is prominently proclaimed. So far as the various sections are concerned, it is obvious that the importance of the circulation of the official organ is less than half of what is prominently asserted. Obviously, if a journal or a brochure is distributed gratuitously, it is possible to return figures which are out of all proportion to the value of such a circulation. We have reason to believe that the cost per member of the official organ has increased during the past month considerably compared with that of the previous three months. There are, as we have pointed out, other ways in which the colossal expenditure could be utilised for the benefit of pharmacy, and the point which is bound to arise sooner or later is whether or not nearly one-eighth of the income should be spent in a fashion which has little interest either to retailers or wholesalers, but which nevertheless has to be paid for by every pharmacist who is a member of the Society either by desire or of necessity. The chief value of the Council of the Pharmaceutical Society now is to keep a check on the financial side. There is little else to be done, and we express the opinion that in the interests of all registered chemists a careful watch should be kept on the expenditure of the moneys which are paid to the Society.

The Future of Santonin

ONCE the difficulties of reaching common agreement have been overcome it may seem a very simple matter to put into operation and maintain the agreed scale of sales prices of a convention product. There will be no need for us to comment upon the advantage that theory has over practice in these matters. There is, not always, but too frequently, a leakage often of sufficient importance to disturb if not

threaten the continuance of the control of the market. Whatever the cause, the leakage occurs and the producers who have rigidly adhered to the terms of their agreement lose business and are naturally disappointed. In our issue of April 4 (p. 407) we commented on the difficulties that were then being experienced by the Santonin Convention. At that time, after approximately nine months' life of the sales agreement, current sales prices were down to not more than £20 per kilo. and, if offers were to be accepted as an indication, there was then no sign of the cheap parcels drying up. During the past three months conditions have improved and, although it could not be suggested that the prices fixed by the Convention are now in general operation, values have definitely taken a turn for the better and appear to be moving—if slowly—in that direction. Recent inquiry indicates that the supply of second-hand material on this market and on the Continent is considerably less than it was six months ago; offers of lots of about ten kilos, are now very few in number and it seems doubtful if an order for a quantity of 25 kilos. or more could be placed, quite apart from the higher prices that would have to be paid. Costs of production by the convention firms, British, German and Russian, may be hardly comparable, but there is little reason to doubt that if their scale of prices was adjusted from the present rather high levels of from £35 12s. 6d. to £39 13s. 6d. to the current open market sales figures of £23 to £26 per kilo., according to quantity, not only would each producer be obtaining a very satisfying return on their outlay, but such a reduction would have the immediate effect of steadying the market which, particularly in the early months of this year, was a source of bewilderment to the trade.

A Pioneer in Electricity

THE first day of the present week marked the centenary of the death of André Marie Ampère, who was born near Lyons in 1775 and died at Marseille. As a boy he showed his preference for mathematical studies, and in this bent he was encouraged by his father. When he was eighteen years old—by which time he had invented a "universal language"—the execution of his father by order of the leaders of the French Revolution gave him a shock which prevented his application to scientific subjects for about twelve months; but at the end of this period the reading of Rousseau's "*Lettres sur la botanique*" rekindled his interest. He taught mathematics, and rose in that profession to a professorship and membership of the Institute in Paris. The publication of monographs by him began in 1802 with one on games of chance; it was not till eighteen years later, however, that any of his now classical studies on electrical subjects made their appearance. In 1827 he issued his "*Mémoire sur la théorie mathématique des phénomènes électro-dynamiques . . .*," of which Clerk Maxwell said: "The whole, theory and experiment, seems as if it had leaped, full grown and full armed, from the brain of the 'Newton of electricity.' It is perfect in form, and unassailable in accuracy, and it is summed up in a formula from which all the phenomena may be deduced . . ." Among Ampère's later contributions to scientific thought were a suggestion of the electric telegraph as an application of work done by Oersted in 1819, and an unfinished "*Essai sur la philosophie des sciences*." The centenary of his death is being commemorated in France by the issue of a stamp and by an exhibition; but his permanent memorial consists in the adoption of the ampere as an international unit of electric current.

Chemical Assay of Ergot

A MONOGRAPH by Dr. C. H. Hampshire and Mr. G. R. Page, which appears in the current issue of the "Quarterly Journal of Pharmacy and Pharmacology" (p. 60), throws fresh light on the chemical assay of ergot, and incidentally testifies to the importance of the Pharmacopœia Commission's Laboratory in Hallam Street, where the investigation was carried out. In their review of previous work the authors point out many of the difficulties inherent in existing processes, and discuss alternatives. They find, for instance, that glyoxylic acid offers no advantage over *p*-dimethylaminobenzaldehyde as a reagent for the colorimetric determination of ergot alkaloids. Ergotoxin and ergometrine in aqueous solution can be separated by shaking out with carbon tetrachloride or amyl ether, but the process is unsatisfactory for the assay of ergot, on account of the formation of emulsions and for other reasons.

For practical purposes, the authors state, the problem resolves itself into a differentiation between ergometrine and ergotoxine. After extensive preliminary work, experiments were made with a view to devising a process depending on the separation of the ergometrine by extraction with water from an ethereal solution of the total alkaloids.

Ergometrine is moderately soluble in water, and it was found that when an ethereal solution of the base is shaken with water an appreciable amount passes into the aqueous layer. Ergotoxine and ergotinine, on the other hand, are practically insoluble in water and are not extracted by it from ethereal solution.

A New Process

The details of the process eventually worked out as follows:—Extract 10 gm. of ergot in moderately fine powder (44/60) with light petroleum (b.p. 40° to 50° C.) in a continuous extraction apparatus until the fat is completely removed. Dry the extracted drug at a temperature not exceeding 40° C. and transfer to a porcelain dish. Add sufficient anæsthetic ether to form a semi-liquid mass, then add 2 mls of strong solution of ammonia and stir with a glass rod. Allow most of the ether to evaporate, return the residue to the continuous extraction apparatus and exhaust with 100 mls of anæsthetic ether, the extraction being continued for about five hours. Filter the ethereal liquid through a small filter and wash the flask and filter with small quantities of anæsthetic ether until a total volume of 120 mls is obtained.

TOTAL ALKALOIDS.—Shake 60 mls of the ethereal solution with successive quantities of 10, 10, 5, and 5 mls of a 1 per cent. w/v solution of tartaric acid. Mix the acid solutions and warm gently in a current of air. Cool and dilute to 30 mls

with water. Mix 1 mil with 2 mls of solution and dimethylaminobenzaldehyde and allow to stand for five minutes. Mix 1 mil of solution of ergotoxine ethanesulphonate with 2 mls of solution of dimethylaminobenzaldehyde and allow to stand for five minutes. Determine the ratio of the colour intensities by comparing them in a suitable colorimeter.

WATER-INSOLUBLE ALKALOIDS.—Shake the remaining 60 mls of ethereal solution with successive quantities of 20 mls of water, made faintly alkaline to litmus with ammonia, until 1 mil of the separated aqueous liquid gives no blue colour when mixed with 2 mls of solution of dimethylaminobenzaldehyde. Shake the ethereal solution with successive quantities of 10, 10, 5, and 5 mls of a 1 per cent. w/v solution of tartaric acid. Mix the acid solutions and remove the ether by gentle warming in a current of air. Cool, dilute to 30 mls with water, and compare with solution of ergotoxine ethanesulphonate as described in the assay for total alkaloids.

By the two assays described the total alkaloids and the water-insoluble alkaloids are determined, both being calculated as ergotoxine. By subtraction the water-soluble alkaloids, calculated as ergotoxine, are determined. From this the proportion of water-soluble alkaloids, calculated as ergometrine, is calculated by multiplying by the factor 0.538; in this result any ergometronine which may be present is included.

The solution of ergotoxine ethanesulphonate used is that defined in the British Pharmacopœia, 1932, a 0.012 per cent. w/v solution in a 1 per cent. w/v solution of tartaric acid in water, 1 mil containing the equivalent of 0.0001 gm. of anhydrous ergotoxine.

The solution of dimethylaminobenzaldehyde used is the reagent containing ferric chloride which is proposed for inclusion in the Addendum to the British Pharmacopœia, 1932. The continuous extraction apparatus described in the British Pharmacopœia, 1932, was used in these experiments. Tests were made for complete extraction by repeating the process with further quantities of ether and applying the colour test, and it was found that a period of four to five hours' extraction is sufficient.

For the colorimetric comparison, the colours produced by the solution being tested and the standard solution should not differ by more than 20 per cent.

Various experiments were made in order to test the degree of accuracy obtainable by this process, and it was afterwards applied to ten samples of ergot, three of which were described as *ergota præparata*, B.P., five as Spanish and two as Russian. The article is illustrated by six tables, and is completed by a list of seventeen references.

British Pharmaceutical Conference

THE attention of intending visitors to the meeting of the British Pharmaceutical Conference at Bournemouth on June 22-26 is drawn to the following additional arrangements for their comfort:—

A ladies' dressing room will be provided at the Headquarters Hotel, The Metropole, Lansdowne.

Badges for cars may be obtained at the Information Bureau, Headquarters Hotel. The use of these badges will assist members when desiring to park their cars in the town.

A few tickets are still available for the Sunday evening orchestral concert at the Pavilion on June 21, and should be applied for to the Local Secretary, 123 Holdenhurst Road, without delay.

The Committee of the Criche Park Golf Club, situated about twenty miles from Bournemouth, have kindly arranged for visitors attending the Conference to be made honorary members of the Club during their stay, and they are arranging for a running bogey competition to be held during the period of the Conference. Visitors may enter for this without charge, and no green fees are payable. Entries or inquiries should be addressed to Mr. F. K. Rowe, The Square, Wimborne. (This course is available for Sunday play, whereas Bournemouth courses are closed.)

To assist in satisfactory arrangements, will visitors who have not yet returned their excursions leaflet please do so as early as possible to the Local Secretary, 123 Holdenhurst Road?

The Worshipful Master and Brethren of Vortigern Lodge, No. 4854, will be pleased to welcome any brother at their meeting in Freemason's Hall, Bournemouth, on Friday, June 26, at 6 p.m., to the Ceremony and Dinner. Evening or dark morning dress.

POTASSIUM HYDROXYQUINOLINE SULPHATE.—“Potassium hydroxyquinoline sulphate and chinosol appear to be identical and to consist of a mixture of 8-hydroxyquinoline sulphate and potassium sulphate in proportions to yield a preparation containing 50 per cent. of 8-hydroxyquinoline. The product may be obtained by mechanically mixing the two components. It is suggested that it would be better to standardise the preparation on the hydroxyquinoline content, the standard adopted being 50 ± 0.5 per cent. The figures for partial melting point and sulphated ash in the British Pharmaceutical Codex, 1934, require slight alteration in order to include all authentic specimens: partial melting point 172° to 184° C., sulphated ash 32 to 34 per cent.”—F. Hartley and W. H. Linnell in “Quarterly Journal of Pharmacy and Pharmacology.”

Poison in an Advertising Agency

IN his latest thriller, "Murder Isn't Easy" (Faber & Faber), Mr. Richard Hull has used what appears to be a new technique in murder mysteries, and pharmacists should find it unusually interesting. The book is divided into four parts—"Design and Plot," "Counter Plot," "Achievement," and "Execution," each part describing in the first person the feelings and discoveries of the characters involved. The principals are the three partners of the NeO-aD advertising agency, and more than half of the narrative is occupied in giving the mental reactions of Nicholas Latimer (the "production" manager) towards his partners, Charles Spencer (the "Contact" man) and Sandy Barraclough (who looked after the finance). Obviously the author either is an advertising man or has been well coached by an expert in advertising-agency methods.

Latimer is depicted as the supreme egoist who thinks copy-writing is everything and selling space and general finance are of no importance. He is bone lazy, and cannot understand why Barraclough should be

"Constantly going off into squeaks about having blocks for THE CHEMIST AND DRUGGIST by ten a.m. on the twentieth of the month."

His partners objected to his spending what he described as "an interesting and rather instructive day" at the "Drug and Allied Trades Exhibition"; but he pointed out that the work other people were doing, the way they decorated their stands and the modern sales methods there shown all helped to give him fresh ideas for new copy. At this exhibition Latimer tried a little propaganda on one of the stallholders "who demurred at the expense" involved in advertising—a characteristic touch which will appeal to advertising men who have dealings with the drug trade. Latimer airily indicated to the man with the medical product to sell that "NeO-aD could often arrange that." This was overheard by a foreign-looking stranger standing a little way off, who subsequently got in touch with Latimer and told him, with great secrecy, a tale about a marvellous invention of his own of which he desired the world to know. This was "Tonescu the Roumanian," inventor of crystals (poisonous, of course), which when dissolved and rubbed over glass prevented clouding by steam or rain. Latimer took up Tonescu enthusiastically, and induced his partners to back up the advertising of "Galatz-si," this wonderful new product. Latimer's ruminations on trade journal advertising are extremely funny. His idea was that all that is needed in a trade journal is that the name of the client

should appear if possible prominently and continuously; but neither Spencer nor Barraclough agreed, and this he put down partly to their natural perversity and partly to see how much work they could get out of him.

"I am, of course, thinking of a particular client; a personal friend of Spencer's and a personal enemy of mine. He had some cure, I expect a quite inefficient cure, for influenza, which he insisted, contrary to my advice, in advertising weekly in THE CHEMIST AND DRUGGIST and in that alone. Now I have not a word to say against THE CHEMIST AND DRUGGIST, but it is not a complete campaign. I mean, you might get Flukil on to the shelves of every chemist in Great Britain—in fact probably had—but you did not get it off these shelves and into the hands of the public just by using that. It was not fair on the paper. Moreover, it was one of the very few journals who had strict conscientious objections to paying commissions to agents—I never could understand their point of view—and so we had to make a special charge to Flukil. Naturally that gave Spencer's friend an opportunity to say that we cost him something—and he took it out of us by insisting on having different copy each week."

Latimer became so obsessed with the campaign for "Galatz-si" that he had no time or inclination for any other work, and an amusing chapter describes his efforts to think out an effective heading for the stuff and the necessary "dope" to "put it over." He complains:—

"I had just written 'And now the everclear windscreen' and crossed it out . . . when Miss Wyndham came in to say that 'The Practitioner' had rung up, clamouring for Flukil's copy. That fellow Flukil was a perfect curse! Of course, I told Miss Wyndham that 'The Practitioner' being a recent extension of Flukil's activities—it was only the second insertion—the same copy would have to be repeated unless she could find something suitable that we had used previously in THE CHEMIST AND DRUGGIST."

The "Galatz-si" crystals, as might be expected, assumed first-class importance in the story. Mr. Hull gives no hint of the nature of the poison embodied in them, but it turns out that the solution, while quite effective for its primary purpose on mirrors and windcreens, eventually damages the glass—"eats it away"—and the resultant trouble with the exposure of the real murderer should give even seasoned readers the appropriate thrill.

Potassium Salts as Diuretics

IN a recent issue of "The Journal of the American Medical Association" (105, 20, 1584) N. M. Keith and M. W. Binger give the results of a study of the action of potassium salts on (a) eight normal persons and (b) sixty patients with oedema. The authors state that the amount of a given salt administered in order to produce diuresis is considerably greater than the dose given in the United States and British Pharmacopœias. Taking 12.5 gm. of potassium nitrate as a useful standard daily dose, they gave to normal persons, for comparative purposes, approximately its atomic equivalent of the other potassium salts. This amount has been the usual maximal dose given to patients with oedema. However, one subject was given 24.5 gm. of potassium salts, 12 gm. of nitrate, and 12.5 gm. of the bicarbonate, daily, for a period of thirteen days. No ill effects were observed. Similar maximal daily doses of the chloride, nitrate, bicarbonate, acetate and citrate have been successfully employed previously by other observers. Caution must be used in administering these large doses, and all are agreed that smaller trial doses should be given initially. A simple clinical danger signal is the absence of diuresis after administering a salt for a few days. Some patients were able to take a 10 per cent. solution of a salt, or the salt itself on food, without discomfort. Others complained of epigastric discomfort or even nausea. Potassium nitrate, 0.5 gm. in the form of an enteric coated pill, has been the most satisfactory method of adminis-

tering any one of these salts. The combined use of potassium salts and other diuretics, such as the organic compounds of mercury and the caffeine-containing compound aminophylline, sometimes has produced excellent results. (The authors point out that potassium salts, when injected intravenously into animals, can cause rapid toxic effects, particularly on the heart.)

These clinical results with potassium salts have been encouraging. They confirm the results of the therapists of the last eighty years. The authors prefer potassium nitrate because, after its use, diuresis frequently occurs. In their experience it is less likely to cause toxic symptoms than ammonium nitrate. Its action, when combined with other diuretics, is also often satisfactory. Diuresis from potassium nitrate may be initiated more slowly and be of longer duration than that of other diuretics, but it is less likely to cause untoward effects. Organic compounds of mercury act more rapidly, but in so doing may injure tissues, such as those of a diseased kidney. Potassium salts, more particularly the bicarbonate, acetate and citrate, produce a rapid shift in the acid-base balance, rendering the plasma and urine more alkaline. This action suggests that these potassium salts may be more effective and less likely to cause oedema in combating acidosis than sodium salts. They might also be used when a strongly alkaline urine is desired.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 11

MOST MARKETS have experienced a fair week's business and the general tone is steady, with many of the natural products firm. The rather troubled outlook for the gold currency rates of exchange is not as yet seriously affecting markets, but with the devaluation of the French franc, Dutch florin, etc., now becoming something more than an outside possibility, business in the forward positions of some products may be difficult to negotiate. It now seems fairly certain that there will be no change in the position of the prohibition on imports of Italian produce till at least early July. Some changes of importance are noted in PHARMACEUTICAL CHEMICALS. An advance in the Dutch basic price for QUININE and SALTS is the chief item. A drastic cut in the scale of prices for SODIUM DIETHYLBARBITURATE is recorded. BROMIDES and SALOL seem steady at the recently adjusted prices. A decision has not yet been reached as to whether IODIDES shall be reduced to conform to the fall in crude iodine.

Crude Drugs

Although the commodities in this market have received less attention from buyers, prices are keeping very steady and in many cases values are firm. Scarcity of supplies, spot and forward, continues a prominent feature. A better demand on spot for AGAR, which is selling at less than replacement cost. Cape Aloes are dear and scarce: the Curaçao product remains rather easy. Spot prices for BUCHU continue upwards, and it is very evident the market will be bare of supplies long before next season's arrivals. CARDAMOMS show no sign of easing. There has been persistent inquiry for new season's CASCARA SAGRADA, but the source seems unwilling to do business even at the high prices indicated for the 1936 peel. Cloves are steadier at the slight advance. A sharp increase in the shipment quotation for COLOCYNTH PULP is recorded. The ERGOT market is steady but dull. Still no business of importance in Sudan GUM ACACIA. LOBELIA HERB is quiet and unchanged on spot; some business in the forward market. LYCOPodium continues dear and very scarce. No revival of business in MENTHOL. PEPPER is reported a little steadier. Owing to lack of supplies, Shensi RHUBARB is practically nominal on spot, but a parcel is afloat. Good business in grey Jamaica SASSAPARILLA is reported. Inquiry for the medium white grades of TRAGACANTH has been active this week.

Essential Oils

Routine business has been rather slow this week, but one or two items have sold fairly well. ANISE (STAR) is dull. BERGAMOT seems of little interest. Current low prices for CASSIA for shipment do not bring business. Holders of the limited supplies of Sicilian hand-pressed LEMON tend to take a stronger view of the market. Californian LEMON continues in very restricted supply, and the outlook for the future is not particularly promising. LEMONGRASS is cheap and dull for shipment. MANDARIN is scarce and firm at high figures. French Guinea Orange has sold fairly freely on spot at advancing figures; difficulty is being experienced in obtaining firm shipment offers, shippers apparently prefer to hold their oil rather than exchange it for French francs. Singapore PATCHOULI is slightly better on spot. Japanese PEPPERMINT has again sold quite freely on spot and values are being steadily maintained. The American PEPPERMINT has been dull and tends to be slightly easier.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 11	Value of the £
Amsterdam ...	Fs. to £	12·107	7·42½	12/3
Berlin ...	Mks. to £	20·43	12·45½	12/2½
Brussels ...	Belgas to £	nominal	29·68½	16/11½
Copenhagen ...	Kr. to £	18·159	22·40	24/8
Lisbon ...	Esc. to £	110	109½	19/11½
Madrid ...	Ptas. to £	25·22½	36½	28/11½
Milan ...	Lire to £	92·46	63½	13/9½
Montreal ...	Dol. to £	4·86½	5·02½	20/7½
New York ...	Dol. to £	nominal	5·01½	20/7½
Oslo ...	Kr. to £	18·159	19·90	21/11
Paris ...	Fr. to £	124·21	76½	12/3
Prague ...	Kr. to £	164·25	121½	12/3½
Stockholm ...	Kr. to £	18·159	19·39½	21/1½
Warsaw ...	Zloty to £	43·38	26½	12/2½
Zurich ...	Fr. to £	25·2115	15·50	12/2½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS has been on a fairly good scale this week. Convention prices for quinine salts have been advanced. A sharp reduction in sodium diethylbarbiturate is recorded. So far there has been no decision whether prices for iodides should be subject to the recent decline in crude iodine.

ACETANILIDE.—Market quiet, values steady: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOPYRINE.—Very quiet and keenly competitive: crystals, five cwt., 18s. 0½d.; two cwt., 18s. 5½d.; less than two cwt., 18s. 10½d. per lb., with powder 2½d. per lb. extra.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Business is slow, quotations keen: spot, one cwt., 15s. 3¼d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 3d. per lb.

BENZOIC ACID (B.P.).—Continues steady, average business: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices are steady, fair demand: Carbonate, B.P., one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; less than 8 lb., 8s. 6d. per lb., with rebates on contracts for larger quantities.

BROMIDES.—Makers' and dealers' scales of prices continue at the recent advance. The home trade prices are: Potassium B.P., not less than five cwt., 1s. 7d.; not less than one cwt., 1s. 8d.; not less than 28 lb., 1s. 11d.; 14 lb., 2s. 1d. per lb. Sodium, B.P., not less than 5 cwt., 1s. 9d.; not less than 1 cwt., 1s. 10d.; not less than 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb. Ammonium, B.P., not less than 5 cwt., 1s. 10d.; not less than one cwt., 1s. 11d.; not less than 28 lb., 2s. 2d.; 14 lb., 2s. 4d. per lb. net. 28 lb. parcels and one cwt. cases free. Distributors' prices for quantities less than 14 lb. would be at higher figures. Scales of prices for export, quoted f.o.b. London for prompt shipment, are as follows: POTASSIUM, 5 cwt., 1s. 1½d.; one cwt., 1s. 2d. SODIUM, 5 cwt., 1s. 2½d.; one cwt., 1s. 3d. AMMONIUM, 5 cwt., 1s. 4d.; one cwt., 1s. 4½d. per lb. Contracts over a period are not being booked.

CAFFEINE.—Continental makers' agreed prices: pure alkaloid, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb., delivered, 5-lb. tins free, smaller packing extra. Citrate, two cwt., 5s. 5½d.; one cwt., 5s. 6½d.; 56 lb., 5s. 7½d.; smaller quantities, 5s. 8½d. per lb., delivered. British material: pure, 56 lb., 8s. 4d.; less, 8s. 6d. per lb. Citrate, 56 lb., 5s. 9d.; less, 6s. per lb.

CALCIUM LACTATE.—Steady inquiry, values unchanged: spot, one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2½d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—The home makers' prices lead the market: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices are as follows: two cwt., 2s. 5½d.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums, ¾d. per lb. less. Small bottles extra, from 5d. per lb. for ¼-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Seasonal business continues: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for this market for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.;

oz. and less than 1 oz., 40s. 8d.; $\frac{1}{2}$ oz. and less than $\frac{1}{2}$ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to re-sell any quantity at below the scale price for such quantity current at the time of re-sale. These scales of prices do not apply to export business, particulars of which may be obtained from the usual sources of supply.

CODEINE.—Makers' prices at the reductions recently recorded. Pure, crystals, precipitated, 21s. 8d.; Hydrochloride and Sulphate, 18s. 8d.; Phosphate, 16s. 5d. per oz. Home trade and export rebates for quantities the same as for Morphine.

COTARNINE HYDROCHLORIDE.—Makers' prices continue at the reduction recorded at 14s. 11d. per oz. Home trade and export rebates for quantities the same as for Morphine.

CREAM OF TARTAR.—Fair business, with quoted values maintained: British material, 99 to 100 per cent., 79s. per lb., less $2\frac{1}{2}$ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Business has been rather quiet: bulk quantities, in 25-kilo. demijohns, 1s. 8d. to 1s. 9d. per lb.; small parcels, 1s. 10d. to 2s. 3d. per lb., ex store.

GUAIACOL (CRYSTALS).—Dealers are quoting 14-lb. jars at 10s. 2½d.; 7-lb. bottles, 10s. 2½d.; and 1-lb. bottles, 10s. 8½d. per lb. Liquid: 7-lb. bottles, 9s. to 9s. 9d. per lb.

HENAMINE.—Makers' prices for bulk quantities are competitive: fair business: B.P. powder, from 1s. 3d. to 1s. 4d.; free-running crystals, from 1s. 6d. to 1s. 8d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 6d.; one cwt., 1s. 6½d.; 14 lb., 1s. 10d.; smaller parcels, up to 2s. per lb., carriage paid.

IODIDES.—Thursday: Negotiations as to whether prices for the salts shall be reduced to come in line with crude iodine are still going on, and so far agreement has not been reached.

LACTIC ACID (B.P.).—Average business, values steady: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—A steady demand, with makers' scales of prices fully maintained: Chloride, B.P., not less than one cwt., 4s. 11d.; less than one cwt., from 5s. per lb.

METHYL SALICYLATE.—Market dull, quoted unchanged: spot, ten cwt., 1s. 2½d.; five cwt., 1s. 3d.; one cwt., 1s. 3½d.; less than one cwt., 1s. 3½d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices irregular, business slow: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8d. per lb.

MORPHINE.—Makers' prices: Pure, precip., Meconate and Tartrate (neutral), 28s. 4d. per oz. Acetate, Hydrochloride and Sulphate, 22s. 9d. per oz. Diacetyl, 30s. 10d.; Diacetyl Hydrochloride, 28s., and Ethyl Hydrochloride, 21s. 8d. per oz. Home trade rebates: 5 oz., $2\frac{1}{2}$ per cent.; 35 oz., 5 per cent.; 100 oz., $7\frac{1}{2}$ per cent.; 250 oz., 10 per cent., carriage paid. Export rebates are the same as for home trade but quoted c.i.f. overseas destination.

PARA-FORMALDEHYDE.—A moderate business at competitive prices: 100 per cent. powder, quantities in kegs, 1s. 1d. to 1s. 1½d.; smaller parcels, up to 1s. 6d. per lb.

PARALDEHYDE.—Market is reported to be rather quiet: 1 w-quart, 1s. 9d.; 6 w-quarts, 1s. 7½d.; 12 w-quarts, 1s. 5½d.; 36 w-quarts, 1s. 4½d. per lb., carriage paid on minimum 6 w-quarts, one demijohn, 1s. 1d. to 1s. 2d. per lb., carriage paid.

PHENACETIN.—Fair demand, prices steady: crystals or powder, bulk quantities, 2s. 6d. to 2s. 7d.; smaller parcels, 2s. 7½d. to 3s. per lb.

PHENAZONE.—Continues to be quoted at substantial discounts to Convention prices, business slow: crystals, five cwt., 8s. 9½d.; two cwt., 9s. 0½d., and less, 9s. 3d. per lb., with powder 2½d. per lb. extra.

PHENOPHTHALEIN.—Modest business, with occasional competitive offer noted: two cwt., 2s. 0d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYL ETHYL BARBITURIC ACID.—A limited business in small parcels: spot, 25s. to 26s. per lb., in 2-lb. bottles, as to quantity.

PHOTOGRAPHIC CHEMICALS.—AMIDOL.—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tube, 5s. 6d. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENOL HYDROCHLOR.—8s. 6d. per lb. POTASSIUM FERRICYANIDE.—14 lb., 2s. 3d.; 7 lb., 2s. 6d.; 1 lb., 2s. 9d. per lb. POTASSIUM METABISULPHITE.—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. PYROGALLIC ACID.—28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. SODIUM CARBONATE (RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 3d.; 1 lb., 1s. 6d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Dealers doing average business in smallish quantities: quantities in drums, 8½d. to 9½d.; druggists' parcels, from 10d. to 1s. per lb., as to quantity.

POTASSIUM SULPHOGUAIACOLATE.—Quoted prices are at about 6s. 3d. to 6s. 4½d. per lb., as to quantity. Market dull.

QUININE SALTS.—Convention prices have been advanced as follows from June 8: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8d.; hypophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—British material quoted unchanged: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 10d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

SALICYLIC ACID (B.P.).—Quoted unchanged, market quiet: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SALOL.—Spot quotations continue at the recent reduction: two cwt., 3s.; one cwt., 3s. 0½d.; 56 lb., 3s. 1½d.; smaller parcels, from 3s. 2d. to 3s. 6d. per lb. Powder, 2½d. extra.

SANTONIN.—Dealers' quotations for outside parcels holding at about £23 to £26 per kilo. No change in first-hand prices: not less than 50 kilos., £35 12s. 6d.; not less than 25 kilos., £36 1s.; not less than 10 kilos., £36 9s.; not less than 3 kilos., £36 17s.; not less than 1 kilo., £38 13s. 6d.; less than 1 kilo., £39 13s. 6d. Special prices are in operation for export to all markets. [Editorial comment on p. 677.]

SODIUM BENZOATE (B.P.).—Fair business, market competitive for bulk quantities at about 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Prices have been substantially reduced as follows: one cwt., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; one lb., 14s. 6d. per lb.

SODIUM SALICYLATE (B.P.).—Quoted unchanged, market slow: home trade, crystals or powder, 5 cwt., 1s. 8½d.; 1 cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Very quiet and competitive: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 9d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Average business, market steady: British makers quote at 1s. per lb., less 5 per cent. discount. Dealers offering foreign material at competitive prices.

VANILLIN.—Convention scale of prices well maintained: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 3d.; less, 13s. 9d. per lb.

Crude Drugs, etc.

ACONITE ROOT.—Dealers are quoting small spot parcels of Napellus at 67s. 6d. per cwt.

AGAR.—Modest spot business with quoted prices still under cost of replacement: spot, Kobe, No. 1, 2s. 7½d.; No. 2, 2s. 5d.; Yokohama, No. 1, 2s. 4½d. per lb.; shipment, Kobe, No. 1, 2s. 5d.; No. 2, 2s. 3d.; Yokohama, No. 1, 2s. 2d. per lb., c.i.f.

ALOES.—Cape firm on spot and very scarce; nothing offered forward. Curaçao slightly easier. Cape, spot, firm, from 60s.; shipment, nominal; Curaçao, spot, 97s. 6d. to 115s., as to quality; shipment, from origin, 87s. per cwt., c.i.f.

ANTIMONY.—Chinese crude is quoted cheaper at £25 10s., c.i.f. English regulus, £66 10s. to £67 10s., spot.

ASA-FETIDA.—Dealers continue to quote cases of sticky blocked tear at about 90s. per cwt., spot.

BALSAMS.—Moderate business, market steady. *Tolu*, 1s. 9d.; *Canada*, 2s. 10d. to 2s. 11d.; *Peru*, 5s. 4d. per lb., spot.

BARBASCO ROOT.—Market has been rather quiet. On spot material testing 6.3 rotenone about 1s. 4½d. per lb. For shipment, June, about 10½d. per lb., c.i.f.

BELLADONNA.—Dealers are doing small business. Leaves, 60s.; root, 50s., per cwt., spot.

BENZOIN.—Occasional inquiry, values steady. Middling small almonds, 86s.; fair almonds, £5 5s. to £6 7s. 6d. Siam firm with pea size, £22; small peas, £20, and blocky seed, £17 per cwt.

BUCHU.—Very firm conditions continue, with values for fair to good rounds now firm at 2s. 1d. to 2s. 2d. and tending to go dearer. The one or two bales of good ovals are held for not less than 1s. 10d. per lb. A few bales of rounds and ovals are now afloat for this market.

CAMPHOR.—Values about steady, business quiet. Japanese, spot, tablets, 2s. 5d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store. Shipment, tablets, 2s. 1½d.; powder, 2s. 0½d.; slabs, 2s. per lb., c.i.f. English refined is unchanged: flowers, 1 cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; $\frac{1}{2}$ oz., $\frac{1}{4}$ oz., and $\frac{1}{8}$ oz., 3s. 6d. per lb.; special prices for contracts and bulk quantities.

CANTHARIDES.—Occasional business in small parcels. Russian, about 6s.; Chinese, 1s. 11d. per lb., spot. Chinese, for shipment, 1s. 6d. per lb., c.i.f.

CARDAMONS.—The spot market for all grades continues very strong, with Indian seed held for 4s. 3d.; shipment, 4s. per lb., c.i.f.

CASCARA SAGRADA.—Difficulty is still being experienced in getting firm offers of 1936 peel for shipment, but the value is indicated at not less than 44s., c.i.f., with every probability of further advances on account of the great shortage of carry-over and new crop. On spot, 1935 peel firm at 52s. 6d. and 1933 peel at 57s. 6d. per cwt.

CHAMOMILES.—Dealers are offering the balance of old crop at about 90s. for off-colour up to 110s. per cwt. for fair white.

CLOVES.—At the advance the market is firm. Zanzibar, spot, 7½d.; shipment, June-July, 7½d. per lb., c.i.f. Madagascar, in bond, 6½d.; shipment, June-July, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 6 were *nil* and the deliveries 109, leaving a stock of 1,689. From January 1 to date the landings of Zanzibar have been 2,046 and the deliveries 1,432. Landings of Madagascar for the week ended June 6 were 190 and the deliveries 55, leaving a stock of 1,897. From January 1 to date landings of Madagascar have been 1,656 and the deliveries 1,321 packages.

COCOA BUTTER.—Market continues steady: prime English, 10d. to 10½d. per lb.; foreign, 9½d. to 9½d. per lb., as to quantity.

COCONUT (DESICCATED).—Market quiet and quoted slightly cheaper: spot, fine, 23s. 6d.; medium, 23s. per cwt.; shipment, halves, June, 20s. 9d.; July, 20s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Finmarken fishing is now concluding. Results to June 6: 132,300 tons of cod and 62,748 hectol. of oil, compared with 113,433 tons of cod and 66,318 hectol. of oil on the same date in 1935, and 140,755 tons of cod and 84,092 hectol. of oil in 1934. The shipment market is dull. Finest Lofoten steam refined non-freezing medicinal oil, 85s. to 86s. per barrel, c.i.f. London, spot, in small lots, 126s. per barrel, ex store, duty paid. Newfoundland non-freezing medicinal oil, about 130s. per barrel, ex store. British non-freezing medicinal oil is quoted at 100s. per barrel, London, duty free, while quotations from another home source are at higher figures.

COLOCYNTH.—Finner conditions are reported here. Advice from Egypt states crop is coming in very slowly and in consequence the shipment price has been put up as high as 2s., c.i.f., for U.S.P. quality pulp. This price is not likely to be maintained should the supplies on the primary market improve. On spot, holders are now asking 2s. per lb. for fine pale pulp.

CUTTLE-FISH BONE.—Not much business about. Fair East Indian, 6½d. to 10½d. per lb., spot.

DAMIANA LEAVES.—Some small spot sales, with prices about 9d. to 10d. per lb., as to quality.

DANDELION ROOT.—Spot offers are rather easier at about 80s. per cwt. Rather more business.

DERRIS ROOT.—Dealers are quoting spot from 1s. 3d. to 1s. 4d. per lb., as to either extract. For shipment, June-July is quoted at 10½d. to 11d. per lb., c.i.f., basis 17 per cent. ether extract.

DRAGONS BLOOD.—A slow market with fair to good reboiled quoted at £23 to £24; medium, £21 to £22 per cwt.

ERGOT.—There has been comparatively little business this week. Slightly wormy Russian on spot is held for 4s. to 4s. 3d. per lb. There are no shipment offers. Spanish and Portuguese, spot, about 6s. 9d. per lb., and dull.

GENTIAN.—Continues to sell well on spot, with dealers asking 37s. 6d. to 40s. per cwt., as to quantity.

GINGER.—Values for West African are easier, market quiet. West African, spot, 60s.; for arrival, 56s. per cwt., c.i.f. Jamaican, spot, bolt, in barrels, 87s. 6d. to 95s.; small grinding, 62s. 6d. to 67s. 6d. per cwt., in bags, ex store.

GUAIACUM.—Small business, market steady. Fair to good glossy sorts, 1s. 7d. to 1s. 8d.; good bright refined, 1s. 9d. per lb.

GUM ACACIA.—Market has again been of small interest, quoted unchanged: spot, Kordofan cleaned sorts, 40s.; bleached, No. 1, 110s.; extra, 120s. per cwt., shipment, Kordofan cleaned sorts, 36s. 6d. per cwt., c.i.f.

HENBANE.—Dealers are quoting spot supplies in the region of 80s. per cwt.

HENNA.—Some good green Egyptian leaves are available at about 37s. 6d., with brown at 30s. per cwt., spot.

HONEY.—Market continues quite steady, fair business being done. Jamaican, spot, 32s. to 42s. 6d. for dark liquid manufacturing to pale set. Canadian, 42s. 6d. to 45s. for pale to good. Haiti, 32s. 6d. to 40s. for dark to pale, duty paid. Mexican, 35s. per cwt., duty paid.

HYDRASTIS.—Market steady but quiet. Spot, 9s. 6d.; shipment, 9s. 3d. per lb., c.i.f.

IODINE.—The Convention price for crude iodine continues at the reduction to 8s. per kilo., notified last week. Usual rebates for bulk quantities.

IPECACUANHA.—Business restricted to orders for odd bales: Matto Grosso, spot, B.P. test, 5s. 6d. per lb.; shipment, 4s. 10d. per lb., c.i.f.

LOBELIA HERB.—Spot offers continue in the region of 7d. to 7½d. per lb., with business negligible. New crop for shipment, August-September, 5½d. per lb., c.i.f.

LYCOPODIUM.—Very firm and in short supply, with spot quoted at 5s. per lb. for small parcels.

MENTHOL.—The market continues dull: K/S brands, spot, about 13s. 3d.; in bond, 11s. 9d. per lb. Japanese shippers quoting steadily with June-July at 11s. 7½d. to 11s. 9d., c.i.f., with re-sellers at 11s. 6d., c.i.f.

MERCURY.—The Spanish-Italian group report business satisfactory, with their shipment unchanged at 62 dollars per bottle, f.o.b. Continent: spot, in small lots, £12 7s. to £12 7s. 6d. per bottle, ex store.

MYRRH.—Occasional inquiry on spot, with fair Aden sorts at £6 10s. per cwt., ex store.

OPIMUM.—Average small spot business, values steady: spot, 1s. 4d. to 1s. 4½d. per unit, landed and duty paid.

ORRIS ROOT.—If available on spot, the price would be about 75s. per cwt.

PEPPER.—Market is rather steadier: Lampong, in bond, 27½d.; shipment, June-July, 2½d.; August-October, 2½d., c.i.f. Tellicherry, spot, 4½d. Aleppy, spot, 4½d. White Muntok, in bond, 4½d.; shipment, June-July, 4½d.; August-October, 4½d. per lb., c.i.f.

PIMENTO.—Market continues rather dull: spot, 7d. per lb.; shipment, June-July, 62s. per cwt.

QUASSIA CHIPS.—Small parcels are moving on spot with the price about 21s. per cwt.

QUILLAIMA BARK.—Not much demand for spot stocks of crushed bark quoted at about 35s. per cwt.

RHUBARB.—Market continues firm, with practically no Shensi available at the moment; nominal at 4s. 6d. to 4s. 9d. One parcel afloat and one or two more offers have been received this week, but political unrest, if it develops, may stop shipments. No Canton available: spot, rough, round, high dried, all pinky, 1s. 6½d.; two-thirds pinky, 1s. 5½d. per lb.

RUBBER.—At the slight advance on the week the market is steady, business rather better: standard ribbed smoked sheet, spot, 7½d.; June, 7½d.; July, 7½d.; July-September, 7½d.; October-December, 7½d.; January-March, 7½d.; April-June, 7½d. per lb.

SAFFRON.—A little more inquiry being received: spot, B.P., 1898, prime, 43s.; extra, 40s. 6d.; super, 37s. 6d. per lb., and less for bulk quantities.

SARSAPARILLA.—A very nice business passing, market steady: spot, Jamaican grey, 1s. 3d.; native, mixed colours, 10d. to 1s. per lb., as to quantity, spot.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 57s. 6d.; Bulgarian, 29s. 6d. CANARY.—Spot, duty paid, Mazagan, 34s. 6d.; Spanish, 45s. to 50s. CARAWAY.—Morocco has all been cleared on spot; Dutch quoted at 39s. 6d., duty paid. CORIANDER.—Morocco, 22s., duty paid, sellers; new crop quoted at 12s. 6d., c.i.f., no business passing.

CUMIN.—Spot, Malta, 46s. 6d., and Morocco 45s., duty paid. FENUGREEK.—Morocco, spot, 14s., duty paid; new crop a little dearer, 10s., c.i.f., quoted. MUSTARD.—English, 21s. to 32s. per cwt., according to quality.

SENEGA.—Not much life in the market, values steady; no news of new crop: spot, 1s. 5d.; shipment, 1s. 4½d. per lb., c.i.f.

SHELLAC.—Values are being maintained, market quiet: spot, standard TN orange, 53s. to 58s.; fine orange, 67s. 6d. to 140s.; pure button, 65s. to 70s. per cwt., spot. For delivery, TN, August, 53s. 6d.; October, 54s. For arrival, TN, June-July, 50s. per cwt., c.i.f.

SLEPPERY ELM BARK.—A modest business passing. Grinding grades, 7½d. per lb.; five-pound wire bundles, 1s. 2d. per lb.

SQUILL.—Supplies are very scarce and fair white is firm at about 55s. per cwt.

STRAMONIUM.—A limited demand, with spot quoted from 37s. 6d. to 45s. per cwt., as to quality and quantity.

TONKA BEANS.—Spot values for fair frosted Para beans steady at 4s. 3d. New crop, for shipment; about 2s. 10d. per lb., c.i.f.

TRAGACANTH.—This market is particularly firm and inquiry is persistent on spot. Medium grades of white in very restricted supply and firm at £18 to £25. White ribbon has been advanced to £31. More interest in the lower grades, which are now quoted from £5 per cwt. upwards.

VALERIAN ROOT.—Dealers are finding business slow: spot quoted at about 37s. 6d. per cwt.

WAX.—BEES'.—Market continues fairly steady, with values generally unchanged: Calcutta, bleached, spot, 135s.; afloat, 130s.; shipment, 122s. 6d., c.i.f. Abyssinian, spot, 120s.; in bond, 108s.; shipment, 106s., c.i.f. Benguella, spot, 120s.; shipment, 106s., c.i.f. Conakry, spot, 106s.; shipment, 107s. per cwt., c.i.f. Dar-es-Salaam, spot, 120s.; shipment, 117s. per cwt., c.i.f. CARNAUBA.—Spot quotations unchanged and shipment tends steadier. Fatty grey, spot, 160s.; afloat, 152s. 6d.; shipment, June-July, 147s. 6d., c.i.f. Chalky grey, spot, 160s.; shipment, June-July, 150s., c.i.f. Primeira, spot, good quality, 212s. 6d.; afloat, 205s.; shipment, June-July, 196s., c.i.f. Mediana, spot, 205s.; shipment, 192s. 6d. per cwt., c.i.f.

Essential Oils, etc.

BUSINESS has been patchy this week but fairly good in volume. Bergamot is dull on spot. Madagascar clove is firm forward. Sicilian hand-pressed lemon is steadier on spot. French Guinea orange firm and again dearer. Japanese peppermint has sold well on spot at steady prices.

ALMOND.—English-made oil is being quoted at attractive figures: English-made, cwt. lots, 2s. 2½d.; smaller parcels, up to 2s. 6d. per lb.; foreign, cwt. lots, 2s. 3½d.; smaller parcels, up to 2s. 7d. per lb. French, bitter, 6s. 3d. per lb.

ANISE (STAR).—Business has again been of very little importance. Drums for shipment slightly easier: leads, 2s. 6d.; tins, 2s. 4d.; drums, nominal per lb., ex store; shipment, drums, 1s. 11d. per lb., c.i.f.

BAY.—Average small parcel business: 49 to 50 per cent., 4s. 7d. to 4s. 9d.; 59 to 60 per cent., 4s. 10d. to 5s. per lb., as to quantity.

BERGAMOT.—Business seems to have been of small account, and spot quotations range from about 8s. 4½d. to 9s. 6d. per lb., as to quantity, quality and seller. The Provincial Citrus Growers' Consortium, Reggio Calabria, who have the monopoly of sales and exports, do not appear to be operating.

BOS DE ROSE.—Dealers are quoting Brazilian oil on spot at about 5s. to 5s. 3d.; shipment is dull at 4s. 10d. per lb., c.i.f.

CAJUPUT.—Occasional small spot business: B.P., 1s. 9d. to 2s. 1d. per lb., as to quantity.

CANANGA.—This market is irregular and dull: shipment is not more than 7s. 4½d., with spot in the region of 8s. 4½d. to 8s. 6d. per lb.

CARAWAY.—Values quoted are unchanged, market quiet: Dutch rectified, 9s. to 9s. 1½d.; crude, 8s. 8d. to 8s. 9d. per lb., landed and duty paid.

CASSIA.—Business continues to be disappointing, with shipment offers at about 2s. 6d., c.i.f., drums. On spot, the price for small parcels would be about 3s. 2d. to 3s. 3d. per lb.

CEDARWOOD.—Dealers are offering the African oil from 1s. per lb. for drums and up to 1s. 4d. for smaller packings. American oil, spot, drums, 1s. 1½d.; smaller packings, up to 1s. 4½d. per lb.

CINNAMON LEAF.—Values fully steady, business quiet: Ceylon, for shipment, 2s. 9½d., c.i.f.; on spot, drums, 2s. 11d.; smaller packings, up to 3s. 1½d. per lb.

CITRONELLA.—Modest business, with values fairly steady: Ceylon, spot, drums, 1s. to 1s. 1d.; smaller parcels, up to 1s. 4½d.; shipment, drums, 8½d. per lb., c.i.f. Java, spot, drums, about 1s. 3d.; smaller parcels, 1s. 4d. to 1s. 7d.; shipment, drums, 1s. 3½d. per lb., c.i.f.

CLOVE.—The shipment market for Madagascar oil is firm: Madagascar, spot, drums, 3s. 3d. to 3s. 4d.; smaller packings, up to 3s. 7½d. per lb.; shipment, 2s. 7d. per lb., c.i.f.

EUCALYPTUS.—Strong quotations from the source, with spot values firm: Australian, 70 to 75 per cent., 1s. 2d. to 1s. 2½d.; 80 to 85 per cent., 1s. 3d. to 1s. 3½d. per lb., landed; higher prices for small lots on spot. Spanish, 70 to 75 per cent., 1s. 3½d. per lb., ex store.

GERANIUM.—Business has remained quiet: Bourbon, spot, 21s. to 21s. 6d.; shipment, 19s. 9d., c.i.f.; Algerian, spot, 21s. to 22s.; shipment, 20s. per lb., c.i.f.

GRAPE FRUIT.—Rather more inquiry for small spot lots of Empire hand-pressed oil, quoted at about 16s. per lb.

HO (SHU).—Some very keen prices quoted for bulk quantities: spot, 1s. 6½d. to 2s. 1½d. per lb., as to quantity and quality.

JUNIPER BERRY.—Dealers are doing a limited business on spot at about 2s. 10d. to 3s. per lb., as to quantity and quality.

LAVENDER.—Cheap offers are not attracting very much business: 50 to 52 per cent., 29s. 6d.; 48 to 50 per cent., 27s.; 40 to 42 per cent., 22s.; 38 to 40 per cent., about 20s.; 36 to 38 per cent., 18s. per lb., landed, for good brands. Lavandin is quoted 11s. to 12s. 6d. per lb.

LEMON.—Due to the restricted quantity now left on spot, the prices for Sicilian hand-pressed oil tend rather firmer; business, however, has been of no importance. The outlook for at least the next few weeks is certainly steadier. Quoted from 8s. 6d. to 9s. 6d. per lb., as to brand, quantity and seller. Californian is fully steady and meets with a modest sale. Cold pressed, 4s. 2d.; distilled, regular quality, small drums, 3s. 4d.; large drums, 3s. 3½d. per lb., with supplies available small and the outlook not at all favourable.

LEMONGRASS.—But very little interest in shipment offers, which are held steady at 2s. 6d., c.i.f.: spot, about 2s. per lb.

ORANGE.—The Sicilian sweet oil continues nominal. A fair interest in French Guinea oil and a further increase in values is recorded: on spot, 3s. 3d. has been paid for drums and quotations range from that figure up to as much as 3s. 7d. in one quarter. Very little oil is offered from the source, and the price is firm at about 3s., c.i.f. Californian oil is steady: spot, one case, 3s. 4½d.; two or more cases, 3s. 2d.; small drums, 3s. 1d. per lb.

PALMAROSA.—Business has been slow: spot quoted at about 6s. per lb.; shipment ranges from 5s. 6d. to 5s. 9d. per lb., c.i.f.

PATCHOULI.—The spot market for Singapore oil seems steadier at 16s. 4½d. to 16s. 6d. per lb.; shipment offers are firm from 16s., c.i.f., upwards.

PEPPERMINT.—Quite a nice business continues on spot, with values steady at 5s. 11d. to 6s. per lb. Japanese shippers quote June-July at 5s. 11d. to 6s., c.i.f., and bids at slightly less refused. Reports of bad weather which have affected crops are still being received. In the speculative positions October-December is recorded at 4s. 10½d. and buyers and sellers 5s., January-March business done at 4s. 7½d. and buyers, with sellers wanting 4s. 9d., c.i.f. The American natural oil is slightly easier at the source, and business on this market remains quiet; quoted for shipment at about 2 dollars for 50 per cent. menthol content and about 1 dollar 90 cents per lb., c.i.f., for about 46 per cent. menthol.

PETITGRAIN.—There are spot offers of cases at 3s. 9d. and up to 4s. for small parcels; shipment remains at 3s. 4d. per lb., c.i.f.

ROSEMARY.—Occasional inquiry on the market: Spanish, good quality oil, about 2s. 3d. per lb., with some offers well under this figure.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot; practically no second-hand offerings. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 5s. 10½d.; 56 lb., 6s. 1½d.; 14 lb., 6s. 4½d. per lb. Australian oil continues steady at the recent reduction: 5 cases, 14s. 6d.; one case, 14s. 9d.; 7-lb. tins, 15s. 3d. per lb.

SASSAFRAS.—Spot holders of natural oil are quoting from 3s. 7d. to 3s. 9d. per lb., as to quantity. Artificial oil at cheaper prices.

Commercial Notes

SUMATRA DERRIS ROOT.—It is reported that the cultivation of derris elliptica on the large scale is proposed by the Tjinta Radja Tobacco Co. in the Deli district of Sumatra. The main object is the manufacture of rotenone for the company's own use, but it is hoped that quantities of root will also be available for export.

SPANISH TARTARIC ACID PRODUCTION.—Average annual production of tartrate of lime in Spain during 1933, 1934 and 1935 is estimated by the National Wine Institute of the Ministry of Agriculture at from 2,500 to 3,000 metric tons. Tartaric acid production in Spain during 1933, 1934 and 1935 is stated to have averaged from 2,300 to 2,500 metric tons annually.

SPANISH ERGOT CROP.—Reports from growing regions in Spain indicate that the 1936 crop will be comparatively small in quantity and stocks are said to be negligible. Due to the rainy season, the 1936 crop in the province of Orense, the principal production source in the Vigo district, is expected to be even smaller than that of 1935. About 2,000 kilogs. constitute stocks in the Vigo district. Available stocks are said to be comprised exclusively of the 1935 crop.

GERMAN SYNTHETIC CAMPHOR.—Exports during recent years were as follows:—

Year	Metric Tons	1,000 Marks	Year	Metric Tons	1,000 Marks
1929 ...	3,049	10,714,000	1933... ..	1,359	2,913,000
1930 ...	2,181	7,769,000	1934... ..	2,030	3,384,000
1931 ...	1,877	6,258,000	1935... ..	1,652	2,867,000
1932 ...	1,352	3,749,000			

The chief destinations were:—

Country of Destination	1933	1934	1935	Country of Destination	1933	1934	1935
United States ...	332	484	383	France	194	210	25
Great Britain ...	209	359	350	Switzerland ...	67	81	36
British India ...	203	335	374	Soviet Russia ...	39	33	93
Italy	96	286	85	All others	219	242	306
				Totals	1,359	2,030	1,652

JAPANESE AGAR TRADE.—Exports of agar from Japan during the second half of 1935 totalled 1,062,036 lb., valued at Y.1,682,691, as compared with 1,040,865 lb. for the same period in 1934. Total for the year was 3,322,272 lb., valued at Y.4,261,797. Stocks at the close of the 1934-35 season (November 1935) were practically nil. Production estimates for the 1935-36 season were as follows:—Kobe No. 1 strips, 1,850,000 kin; Yokohama quality, 700,000 kin, and Gifu quality, 300,000 kin. Actual crops by grades during the 1934-35 season were as follows:—Kobe No. 1 strips, 1,650,000 kin; Yokohama quality, 600,000 kin; Gifu quality, 250,000 kin.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Physiology and Pharmacy

SIR,—I have read with interest the letter of Mr. R. Cecil Owen which appears in the *C. & D.* of June 6. While subscribing to some of his views I am less disposed to react so lugubriously to the admittedly changing trend in modern pharmacy. It is a very legitimate grievance of chemists, which is sometimes couched in terms denunciatory of doctors who assume the dual rôle of prescriber and pharmacist. Dispensing is indubitably the domain of the expert in drugs. The medical curriculum makes but scanty provision for inculcating the principles and practice of pharmacy, and the intrusion of pharmaceutically inexperienced practitioners into his inadequately protected professional sphere is reasonably resented by the chemist. It would seem inequitable that the State should require proof of scientific capacity by difficult examinations and forthwith deny to the chemist that rightful monopoly for which he is qualified. On the other hand, it cannot be controverted that chemists are prone to engage in practice outside their peculiar province. The phrase "counter prescriber" is indicative of my "retort courteous." Within my experience harm has resulted from injudicious medication by the unskilled pharmaceutical layman, which, had the matter reached a legal conclusion, would have involved substantial damages. Nor is this an isolated incident. The legal maxim "*Volenti non fit injuria*" hardly excuses the prevalent practice. The whole controversy, which is veiled conflict, is fundamentally ethical. Much of modern medicine consists of treatment in the doctor's study. Ampoules may provide material formerly prescribed in bottles. Many conditions a few years ago essentially surgical have migrated to the sphere of the physician. Operative treatment for the excision of varicose blood vessels is obsolete and abandoned. Quinine urethane is injected. Antisyphilitic injections have displaced the mercurial and iodide mixture. The duodenal ulcer is treated by intramuscular medication with histamine, while here some would abolish bismuth. In the anæmias, various infections, diabetes and a multitude of other maladies, parenteral remedies have ousted the oral. It is deeply to be deplored that the pharmacist is slowly being deprived of his former affluence and influence. This is the consequence of inevitable progress in science. While, however, dispensing is unlikely to disappear, it must dwindle. The segregation of the sciences of diagnosis and dispensing is the desideratum and the ideal of all pharmacists and many doctors. The aspirations of the aggrieved and the convenience of medical men might be envisaged by an exchange of views between the cabinets of the respective bodies who preside over the professional welfare of their members. It should not prove impossible of accomplishment to regulate the rights and establish the privileges of the branches of the parent stem which are independent yet, paradoxically, interdependent. Legislative sanction could be given to agreements mutually advantageous. This is practical politics. Only in its application, it would seem, is salvation for the pharmacist assured.

I am, etc.,

JOHN SHIEL,

L.R.C.P., L.R.C.S., L.M., Ph.C., Barrister-at-Law.

Dublin.

SIR,—Mr. R. Cecil Owen (*C. & D.*, June 6, p. 662) would have us believe that extemporaneous compounding of medications is a thing of the past, and that on the few occasions when such remedies are required they could be made up by the doctor; from these postulates he concludes that pharmacy as an art is no longer a practical proposition. Yet on the next page of the *C. & D.* there is a column headed "Dispensing Notes" (a column which appears frequently), dealing with the problems of readers who have difficult or incompatible prescriptions to dispense. In the same issue there is a description of Bournemouth pharmacists and pharmacies with illustrations of their shop fronts (pp. 655 *et seq.*), and the article commences by saying that dispensing is an important feature of the daily work. It will be noted that four of the pharmacies shown retain the old style of window with carboys, and one of the best known in the town has hardly any window display

at all. It may be granted that Bournemouth is a more favoured district as regards dispensing than many suburban or provincial towns, because the doctors are really professional and prescribe for their patients, as I know from some time spent in one of the pharmacies illustrated. But the continued existence of centres like this shows that there is still a necessity for the pharmacist's dispensing skill in retail businesses as well as in hospitals and institutions. The plea for the separation of dispensing from prescribing is not made on behalf of the pharmacist only, but should ultimately prove to the benefit of the patient. The dispensing doctor buys his mixtures in concentrated form from the wholesale drug house, and the symptoms of the patient have to fit the mixture he has in stock. In the same way the panel doctor uses the Formulary; it saves him time and thought to write down an abbreviated title. Is it credible that half a dozen consecutive patients from the same doctor, male and female of various ages, should each require 5xij. mist. ferri. cit. c. arsen.? No two individuals are exactly alike, and no two cases of disease run precisely the same course; therefore there cannot be a standardised prescription which will be the correct one for all patients. It is true that this has been the tendency of prescribers—in my belief to the detriment of the patient; but if it were correct, all medicines could be made by mass production and packed ready to hand to the patient with printed instructions.

Faithfully yours,

INEXTINCT (8/6).

The President of the Pharmaceutical Society

SIR,—The election of Mr. Thomas Marus to the position of president [of the Pharmaceutical Society] is a fitting reward for his labours on behalf of pharmacy, retail pharmacy. His interest in pharmaceutical matters became at once apparent when in 1915 he commenced business in Ealing on his own account, for he immediately set about infusing new life into the somnolent Ealing Association, his enthusiasm inspiring other local associations to their considerable benefit. His conspicuous success in this direction led to an invitation to stand for the Council. . . . Owner and controller of two live retail businesses, director of a firm of wholesale and manufacturing chemists, he has before him the needs of pharmacy from every aspect, and his qualification for his new post would seem complete indeed.—Yours faithfully,

P. H. HARBORD.

Ealing, W.5.

Amalgamation and the Retailer

SIR,—In the article "The Truth about Amalgamation" (*C. & D.*, June 6, p. 654) you remark that competition has apparently been the motive power that has driven firms towards amalgamation. Looking at the matter from a retailer's experience of the working of amalgamated firms in the wholesale and manufacturing trade, it would appear that the competition has in many cases been changed from outside to inside rivalry. In those combines in which the original firms continue to be worked more or less as separate units, the travellers compete with one another for orders, although in reality they are all under the same central control, and to the retailer it makes no difference which one he gives his order to, as the prices are standardised and the accounts centralised. The same thing applies to those cases in which prices are fixed by agreement between these manufacturers. But what appears to me to be the most remarkable example of inside competition as practised by some of these amalgamations or combines is seen when one of the subsidiary firms markets a new line and sends round its travellers to capture the trade of its amalgamated concerns. Customers do not consume two articles in place of one when they are induced to try a new product, and the successful sale of the new means a corresponding decrease in some of the older ones; so we have the result of one member of a combine competing with its fellows for their joint sales, the principal effect on the retailer being an increased difficulty of stock-keeping.—Yours truly,

EX COMBINE (9/6).

An Example from Scotland

SIR,—To read the report of the Executive Council of the Scottish Pharmaceutical Federation (*C. & D.*, May 30, p. 616) makes a mere Southerner feel envious of the way in which his Scottish *confrères* are represented. To settle a dispute about time-expired goods in favour of the chemist was good work, and to obtain an apology from the parents of a child and from the Procurator Fiscal is a result we could hardly hope for. But an achievement which seems more incredible in our eyes was to obtain an apology from a doctor for making a statement, together with the solicitor's fee, the analyst's fee, and the member's expenses. We in the South can only wish that a little of the Scottish fighting spirit could be infused into our organisations. But this Federation did not content itself with taking up specific cases for its members, for we read that the secretary has written on behalf of the committee direct to the Home Secretary regarding the question of listed sellers. Here was a definite statement that in the Federation's opinion a mistake had been made in allowing these poisons to be sold by persons unfamiliar with their dangerous properties; and also with regard to Rule 4.—Yours, etc.,

PROTESTER (2/6).

The Odd Fraction

SIR,—With regard to the different methods adopted when extended prices involve fractions of a penny (*C. & D.*, May 23, p. 586) the firm of wholesalers I have usually dealt with make a practice of "halfpenny up" and "halfpenny down," and I thought this was the customary rule. Once I took the trouble to note the result over a number of invoices, and found, as I had expected, that at the end there was just the odd halfpenny difference, showing the procedure to be fair to both parties. Most of us would prefer to order goods in larger quantities, but with the vast number of proprietary lines on the market and the fact that most pharmacies have regular customers who are the only ones for some particular line, the only way in which these can be stocked is in twelfths. It is interesting to read that the manufacturers of foods for clinics have reduced their prices to such an extent that there is little profit on them; apparently they have killed their retail connexion for the sake of an infinitesimal profit through the clinics. In some districts, I understand, they have been obliged to supply the welfare style of pack to chemists for retail sale; it became impossible to get the price for the regular sizes, as all the customers knew the clinic prices. But the clinics supply other items, feeding-bottles, malt and oil, etc.; customers now quote the clinic prices and expect to be charged the same. The whole system lends itself to abuse. What with insurance dispensing, its proposed extension to dependants, public medical services, and trading by welfare clinics, we are approaching a stage when there will be few regular customers for chemists in the average locality.—Yours truly,

ODD HA'PENNY (26/5).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Appreciation

I am very glad to say that I have taken *THE CHEMIST AND DRUGGIST* for over twenty years, and would not be without it.—A. N. (7/4).

Positions in South Africa

The Executive of the Associated Pharmaceutical Societies of South Africa, which is representative of all the pharmaceutical societies in the Union, will be grateful if you will publish a warning to chemists and druggists who may be entertaining intentions of accepting contracts for positions in South Africa. An amending Pharmacy Bill is at present before Parliament, and other activities are taking place which may have considerable influence on the position of chemists, and particularly on those of our English colleagues who are accepting or may be persuaded to accept South African contracts. The Executive will gladly furnish further information, when available, upon application to the Secretary, P.O. Box 6290, Johannesburg.—W. Last.

Poisons Queries

Subscribers are asked before sending us inquiries to consult the *C. & D.* "Poisons Guide," also the following articles which have appeared in the *C. & D.*: How to Supply Poisons (January 18, p. 69); Labelling of Poisons (March 7, pp. 284, 285); Wholesale Dealing in Poisons (April 25, p. 493).

R. C. O. (16/57).—Blank certificates for the purchase of a poison are obtainable from chemists' printers. Presumably chemists are expected to stock these for the use of would-be customers for First Schedule poisons.

L. B. (21/56).—The presence of any poison in neuralgia mixture supplied as a Section 18 sale must be disclosed. It will be sufficient to add "Contains morphine hydrochloride, 0.02 per cent. w/v" to the slip label bearing the warning "Caution. It is dangerous to exceed the stated dose."

M. P. H. (16/53).—The storage of other than First Schedule poisons is not affected by the Poisons Rules (i.e., unscheduled poisons may be kept in any convenient position, preferably not accessible to the public). The form of container (i.e., poison bottle) and labelling (with "poison") only apply when poisons are sold (i.e., the shop rounds and labels in use at present need not be changed).

S. J. S. (11/59).—Medicines made up ready for the treatment of human ailments (classed as (P.I.) (13) in the *C. & D.* Extended List of Poisons) are subject only to full observance of the labelling requirements (i.e. they can be sold without entry of sale in prescription book or poison register). Hence the customer's signature is not required and a signed order is unnecessary for supply to a medical practitioner.

R. C. L. (27/57).—The sale of arsenical weed killer by a listed seller is prohibited by Rule 14 which limits the supply of arsenical poisons to sheep dips and insecticides (and these only to persons engaged in agricultural or horticultural business). The Poisons Board in its Report (p. 30) points out that the use of arsenical weed killer in urban districts is a criminal offence under the Protection of Animals Acts. Consequently the supply of arsenical weed killer for use on estates, farms, etc., is restricted to the sale by an authorised seller of poisons or to wholesale dealing.

R. C. (16/50).—The labelling of poisonous syrups (syr. chloral and Easton's syrup) depends upon the conditions of supply. If this is a sale of a medicine made up ready to be taken for the internal treatment of human ailments (e.g., a 3-oz. bottle of Easton's syrup labelled with dose and supplied to a customer over the counter) then it must be labelled "Caution. It is dangerous to exceed the stated dose" in addition to the other required particulars. If the poison is supplied in a form not ready for use (e.g., syr. codein. phosph. to a physician) then the word "poison" must be included on the label. Rule 22 (b) requires a liquid poison "not being a medicine made up ready to be taken for the internal treatment of human ailments" to be in a poison bottle, which is best interpreted by using a poison bottle whenever the liquid is labelled poison. The words "Not to be taken" must only be used for liquids other than a medicine. After December 31, 1936, the use of the word "Poisonous" will be illegal (i.e., it does not apply in the new labelling requirements).

E. D. O. (19/51).—The labels submitted do not comply with the new labelling provisions in regard to poisons though they will suffice until December 31, but thereafter they must be changed as follows: (1) The Liqueurice and Chlorodyne Mixture label will have to have the word "poison" replaced by "Caution. It is dangerous to exceed the stated dose." The last-mentioned words will have to be in a frame if the telephone and number is retained. Also provision must be made for adding the name and proportion of poison (e.g., Chlorodyne, B.P.C., 1 in 64), which may be printed or written in on a line left for the purpose. Such words as "it is perfectly safe if taken in the dose indicated, etc." must be omitted as these will be illegal (since Rule 19 (2) debars the cautionary notice being modified in meaning by the addition of any other words); (2) the second label (for aniseed, peppermint, paregoric, laudanum and white vinegar) is in order with the exception that the inclusion of non-poisonous ingredients in the frame contravenes Rule 19 2 (b). The label thus requires correction by a line surrounding the word "poison."

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

N. E. D. (Switzerland) (25/55).—BOOKS ON VITAMINS.—Information regarding vitamins when obtained from books has usually become somewhat out of date by the time the books appear. The best source of up-to-date information on this subject is journals devoted to pure science and to medicine. One of the newest books is "Vitamins in Theory and Practice" by L. J. Harris (Cambridge University Press, 8s. 6d.).

A. J. B. (3/64).—COW'S MILK FOR PUPPIES.—The following formula will render the cow's milk suitable for puppies:—

Cow's milk (fresh)	...	...	...	15 oz.
Casein	...	...	...	2½ oz.
Cream	...	...	...	2¼ oz.
Water	...	...	...	5 oz.

Mix the casein into a paste with the water, then add the milk, stirring thoroughly. Put in enamel saucepan and bring gradually to the boil; boil for two minutes. Set aside to cool, and when cool add the cream and stir well.

The following shows the difference between a cow's and a bitch's milk:—

	S.G.	Total Solids	Fat	Casein	Milk Sugar
Cow...	1033	13.5	3.6	5.5	3.8
Bitch	1041	22.8	8.8	11.6	1.5

D. P. C. (3/64).—OPAQUE NAIL VARNISH.—The opaque types of nail varnish can be made by means of specially levigated zinc oxide. This is rubbed down with butyl alcohol, and afterwards is strained through very fine muslin.

F. S. (25/56).—LIPSTICK.—The semi-permanent type of lipstick is made by incorporating a small amount of a suitable water-soluble dye with the carmine used in making the sticks, the quantity of the latter colour being slightly reduced. The following formula will be found to yield a satisfactory product of attractive shade, although the proportions of the two mineral waxes may, of course, be varied a little according to whether a softer or harder stick is required:—

Soft paraffin, white	...	...	62
Ceresin	...	...	31
Carmine	...	...	5
Eosin, yellowish shade	...	...	2

The mineral waxes are melted over a water bath, and the finely powdered mixture of carmine and eosin is ground in. The hot liquid, preferably after straining through linen, is then poured into moulds to set. The sticks may be scented by the addition of about ½ per cent. of coumarin.

W. S. L. (3/66).—ACIDITY OF MILK.—In order to make sure of the reason for the complaint a chemical test of a sample of the milk in question would be required. Among the tests necessary is its acidity (one-ninth normal caustic soda and phenolphthalein as an indicator). The next test would be to ascertain whether the trouble was due not really to acidity at all, but to the presence possibly of some portion of milk from a cow with a bad quarter. There is a persistent chronic mastitis in some udders, which may not be noticeable on inspection, but which nevertheless may adversely affect the whole bulk of the milk. The quality of the milk in this respect is best tested by means of brom-cresol papers. If the brom-cresol paper, which is of a yellow colour, is dipped in normal milk the colour turns to a light, slatey-grey, whereas in bad milk containing the unnatural secretions of bad quarters the colour will show a definitely bright purple. As regards the turning out of the cows on to pasturage which has recently been limed, one must guard against regarding this as cause and effect, whereas the complaint about the milk is probably a curious coincidence. There is no physiological reason why the ingestion of lime by the animals could in such a short time affect in any way the normal secretions of the mammary glands. Even if, through some accidental reason, some portion of lime actually fell into the milk, it could not have caused "excess of acidity," but rather the reverse. In the absence of a test of the milk in question it is really impossible to be definite, but we should rather incline to the view that the trouble was not really excessive sourness or acidity, but that the milk of some of these cows requires to be kept out from the bulk until a brom-cresol test shows that it has returned to normal.

T. G. L. (3/64).—TRADING NAME.—Anyone trading under a name other than his own must register under the Business Names Registration Act at the Registry, the address of which in the case of England is 37 Kingsway, London, W.C.2. He must also print his own name as well as his trading name on all trade catalogues, circulars, showcards and business letters (see *C. & D. Diary and Year Book*, 1936, p. 314). Although a man cannot be prevented from trading in the ordinary way under his own name, he could be prevented from infringing any trade rights which a second person may have in the same or a similar name.

I. D. (19/55).—MEDICINE STAMP DUTY.—The Medicine Stamp Acts relating to Great Britain do not extend to the Isle of Man.

M. B. (25/58).—COLD CREAM.—A formula for cold cream containing a modern emulsifying agent is as follows:—

Stearic acid	...	...	30 lb.
Lanolin (anhydrous)	...	...	20 lb.
Beeswax (white)	...	...	16 lb.
Mineral oil (white)	...	...	33 lb.
Triethanolamine	...	...	3.8 lb.
Carbitol	...	...	16 lb.
Water	...	...	95 lb.

Melt the stearic acid, lanolin and beeswax in the mineral oil and heat to about 70° C. Prepare in a separate dish a boiling solution of the triethanolamine and water, and add to this the hot solution of waxes. Stir vigorously until a creamy emulsion is obtained and add the carbitol to which the perfume has been added. Continue stirring until homogeneous and the product has reached the proper consistency. Pour into jars while still warm.

I. R. (3/64).—GOLDFISH DISEASE.—From your description the goldfish seem to be suffering from fungus disease. Among the methods which have been suggested for treating this is the immersion in sea-water, or in a solution of 1 oz. of common or rock salt to the gallon of water. The fungi should be wiped off with a swab soaked in the solution. The strength of the solution can be increased, but only gradually, to 3½ oz. of salt to a gallon of water, and the fish immersed until it shows signs of distress. It should then be placed in fresh running water—under a tap is sufficient—until it recovers. Another remedy is to immerse the fish in ordinary paraffin oil for 4½ minutes. In using remedial measures it must be borne in mind that it depends on the condition of the fish whether treatment will kill or cure. A third treatment which has been suggested is the addition to the pond of a little solution of potassium permanganate, and gently rubbing the fish with the finger to remove the growth.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," June 12, 1886

Chemists and the Privy Council

There cannot be a doubt that in 1868 the medical department of the Privy Council, which really means the Government in such matters, desired to adopt chemists and druggists as the sole vendors of poisons to the public. Provision was made in the Pharmacy Act for a gradual extension of the Poisons Schedule, and it was heartily hoped that the trade in poisons could have been made a close one. There was not much direct profit to be got out of it, but there was a very considerable indirect advantage in making it known that chemists and druggists were the only persons recognised by law as competent to deal in poisons. This is nominally the case now; but there is not much substantiality about the theory, and the Privy Council authorities had evidently last year lost all interest in maintaining even the legal fiction. There is no mystery about this result. Chemists definitely chose it for themselves, when some seventeen years ago they fiercely refused to come to terms with the Privy Council in regard to the storage of poisons.

SUNBATHING

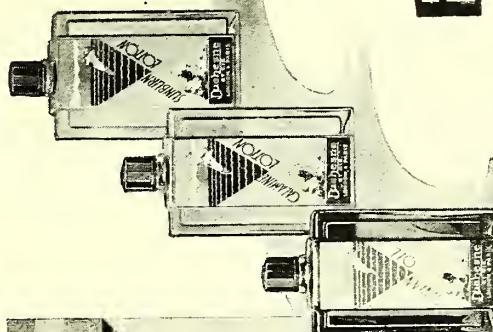
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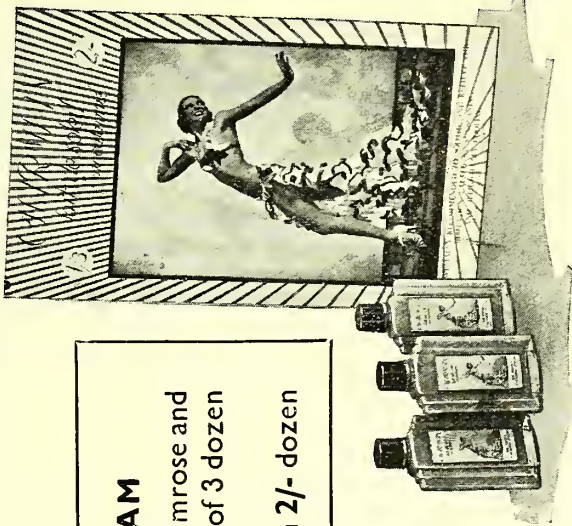
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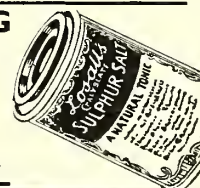
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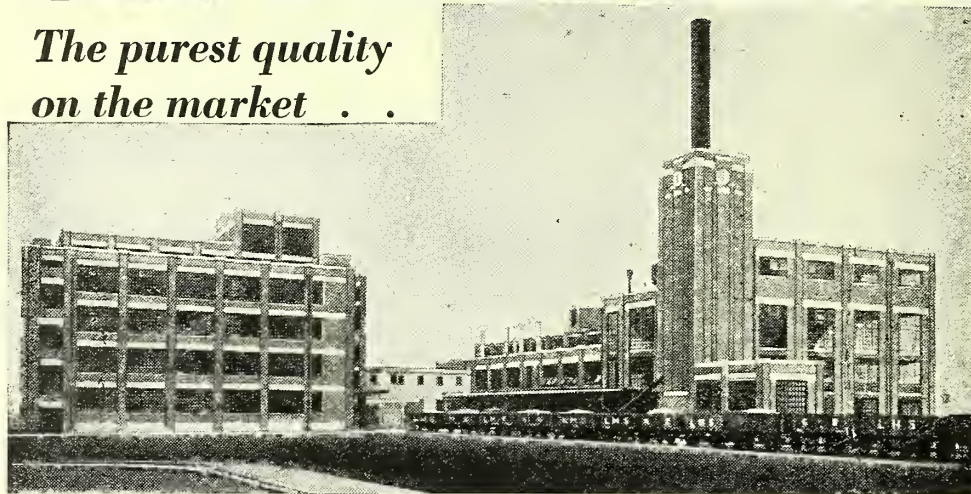
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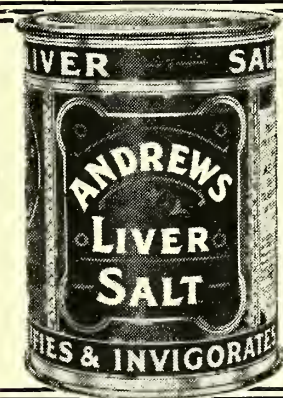
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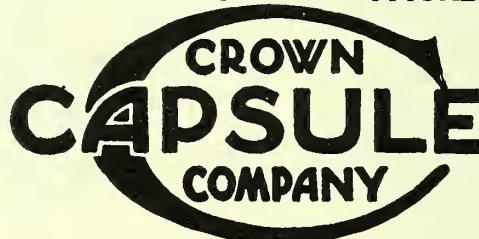
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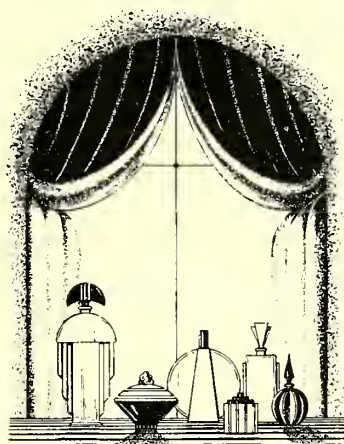
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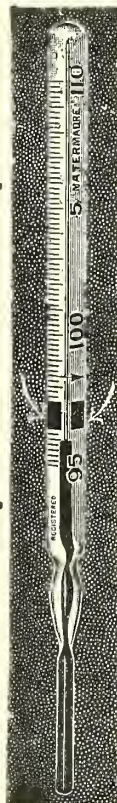
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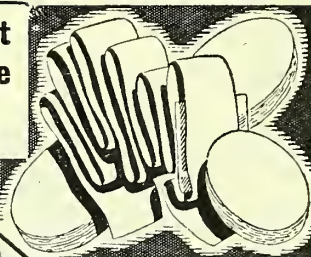
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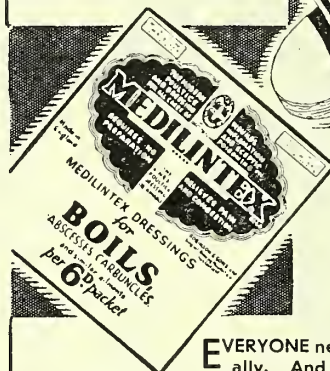
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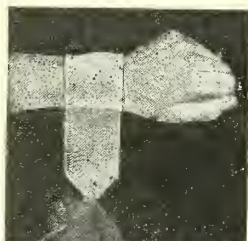
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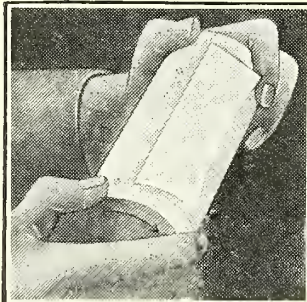
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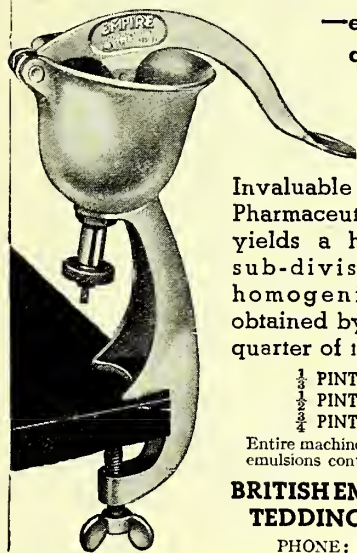


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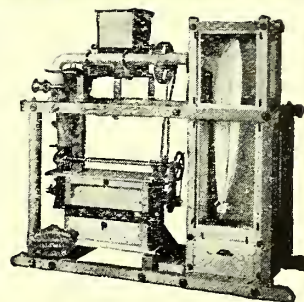
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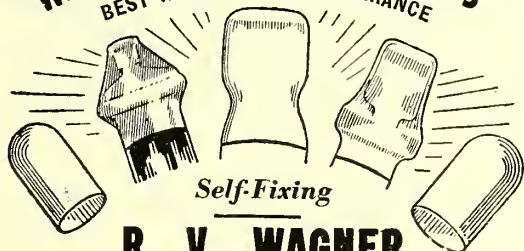
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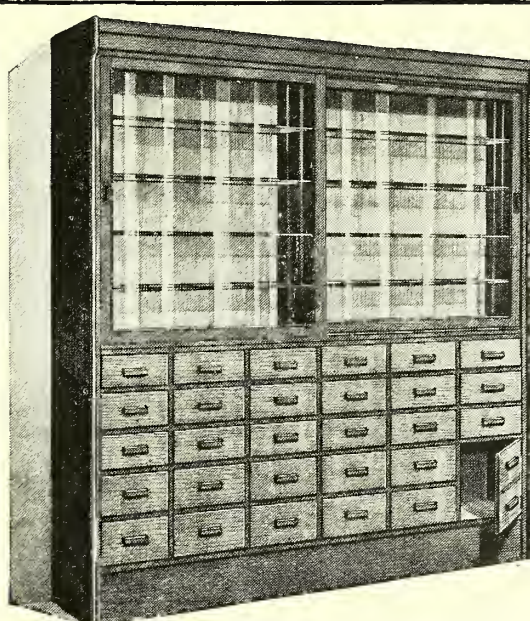
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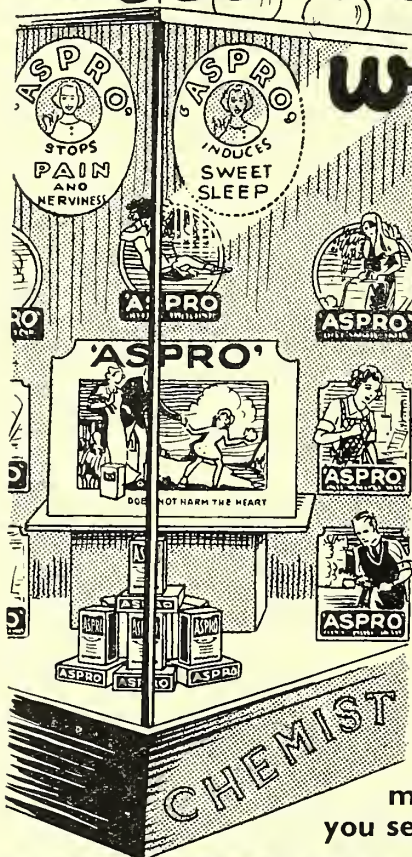
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The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JUNE 13,
1936

28 ESSEX STREET, LONDON, W.C.2

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7.—KENT.—Middle-class Business occupying good position at junction of main roads; takings increase each year and this year will be between £900 and £1,000; rent £50; well stocked shop; price about £400.

8.—NORTH LONDON.—Wholesale and Retail Business; returns about £2,000 per annum; cash £1,000, N.H.I. £400 and manufacturing £600; scope for increase under more modern management; stock and fixtures worth about £550; a sacrifice price will be accepted and offers are invited; death cause of sale.

9.—ESSEX.—Modern Pharmacy in good-class district; returns approach £2,800 per annum (including Optical about £450); Chartered Accountants' figures; stock and fixtures worth about £1,150; a reasonable sum will be accepted in respect of goodwill.

10.—HAMMERSMITH.—Middle- and Working-class Business with Post Office; net profit last year, including Post Office remuneration, £347; price required, £475 all at.

11.—KINGSTON-ON-THAMES (NEAR).—Old-established Good-class Business; returns under management exceed £3,400; Accountants'

figures; new lease at £150 per annum; living accommodation at present sublet at £52; stock and fixtures worth about £1,050; Vendor is willing to sell on the basis of an agreed sum for lease and goodwill plus stock and fixtures at valuation, or will accept a lump sum.

12.—SURREY.—Middle-class Business in residential district; returns exceed £1,450 and net profit approaches £400; stock worth £500 and fixtures £250; moderate rent; long lease; house; valuation terms entertained.

13.—SOUTH MIDLANDS.—Medium-class Business; established 1892; average takings £20 per week under management; large shop and house; low rent; price £350 plus stock and fixtures at valuation; Vendor retiring.

14.—TORQUAY.—Drug and Photographic Store offering scope for increase; present returns between £1,100 and £1,200 per annum; property may be purchased or lease will be granted at reasonable rent; price required for business £650 all at.

15.—WARWICKSHIRE.—Light Retail and Dispensing Business offering scope for increase under personal supervision; returns under management of lady £15 weekly; modern shop in good position; living accommodation; rent only £40; price £650 all at or £100 goodwill, plus stock and fixtures at valuation.

16.—BEDS.—General Retail Business with Photographic and Ladies' Hairdressing; net profit £500 to £550 per annum; price £1,150 all at or valuation terms entertained.

17.—SUSSEX.—Old-established Seaside Business for sale owing to contemplated retirement; returns approach £1,600 per annum; gross profit £550; nice shop, well fitted and stocked; within few minutes of sea; price asked £1,250.

18.—LICESTER.—Well-established Business producing net profit exceeding £300 per annum; good house; property may be purchased or lease will be granted at reasonable rent; price required for business £800 all at.

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20.—BRIGHTON.—Chemist's Business, neglected for many years but now showing improvement; busy shopping district; rent £52 per annum; rates £13; 12 years' lease; house available; price £250 all at or nearest offer.

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(C3) CHISWICK (NEAR).—Good-class business showing steady and consistent increase; present returns approximately £2,000 per annum; lock-up shop; low rental; excellent scope; price approximately £1,100.

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(C5) MANCHESTER.—Good profit-earning business with excellent living accommodation; average returns upwards of £2,000 per annum; large N.H.I.; rent £104; lease 21 years; price £1,600 or near offer.

(C6) BERKSHIRE.—Old-established good-class profit-earning business occupying prominent position in busy shopping street; rapidly increasing turnover, now at the rate of approximately £2,600 per annum; very valuable lease and splendid future potentialities; living accommodation; price about £2,600, which is a reasonable figure for the advantages, etc., offered; well recommended from personal knowledge.

(C7) LEICESTER.—Old-established lock-up Pharmacy occupying prominent position; present returns upwards of £1,500 per annum with excellent scope for increase under personal proprietorship; reasonable rental and purchase price.

(C8) ACTON.—Old-established business situated in thickly populated area; large N.H.I.; present returns approximately £2,000 p.a.; net profit about £500; price all-in £1,500 or reasonably near offer.

(C9) WALLINGTON (NEAR).—Pharmacy with good living accommodation, offering excellent scope for further development; present returns small (approximately £15 weekly), but are capable of early increase; new 21 year lease will be granted; price £400, or valuation terms if preferred.

(C10) FINCHLEY.—Attractive modern lock-up Pharmacy, occupying main-road position; present returns, under management, approximately £23 weekly; excellent scope for considerable further development; modern frontage; low rental; value of stock and fixtures only will be

accepted for quick transaction, and stock could be reduced if desired; excellent opportunity for chemist with limited capital.

(C11) WEST END.—Old-established, easily worked business, well capable of providing a reasonable living to an owner-proprietor; turnover for last financial year upwards of £1,600, with scope for further development; attractive hours which coincide with those of the usual "City" variety; price approximately £800 all-in.

(C12) EALING (NEAR).—Drug Store which has been established over 100 years; present returns upwards of £1,200 per annum; self-contained house with up-to-date conveniences; rent £100; price for quick sale £550, representing little more than value of stock and fixtures.

(C13) DERBY.—Pharmacy with no near opposition, situated in populous working-class district; turnover for last financial year, £1,222; net profit £340; good N.H.I.; net rent and rates less than 25s. per week; price £600, part of which might, if necessary, remain.

(C14) BRIGHTON.—Excellent opportunity for chemist with limited capital to purchase an old-established business, not of a seasonal character, with living accommodation; now doing in the region of £20 per week; main-road situation; reasonable rental; price £450-£500 or first reasonable offer accepted.

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(C16) LONDON, E.—Recently-established lock-up Pharmacy, with good optical connection, and other profitable side-line; combined turnover for first complete year approximately £1,850; good scope for considerable further increase; no near opposition; price £650/£700, including stock approximately £400.

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2.—HERTS (Death Vacancy).—Light General Retail; in main-road position, busy town; returns last year £880; neglected; can be doubled; house attached; stock and fixtures worth £450; price for early sale £500.

3.—YORKS (W. Riding).—Chemist's Business, with Ladies' Hair-dressing Salon; combined turnover £2,000, net profit £500; rent £72; prominent corner position; owner leaving trade; price for early sale £1,150 or close offer.

4.—KENT COAST.—Light Cash Retail, with Photo; showing steady increase; returns last year £993; modern premises; good stock; price £500 or offer.

5.—HANTS COAST.—Old-established Business; under indifferent management; returns last year £943; net profit £272; main-road position; scope for increase; owner retiring; price £485.

6.—LEIGH-ON-SEA.—Well-established Business; returns under manager £17-£20 weekly; plenty of scope; attractive shop, with good house; price £400 or offer; part can remain.

7.—KENT (few miles out).—Unopposed Light Retail; in central position; pleasantly situated; returns £1,100, net profit £300; low rent; long lease; stock worth approx. £400; price £750 or near offer.

8.—LONDON, N.15.—Middle-class Cash Retail; in main-road position; returns £25-£28 weekly; good profits; corner shop; well stocked; price £650 or close offer.

9.—WEST MIDDLESEX.—Middle-class Drug and Photo Stores; in prominent main-road position; returns £20-£22 weekly; splendid chance for Chemist; could be doubled; rent £100; on lease; price £550.

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FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms. 12s. 6d. to 25s. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

AGENCIES.

LEADING Firm, Irish Free State, open for Sole Agencies for special Chemical or Pharmaceutical Lines; good Show Windows and Travellers. 8/1, Office of this Paper.

FINANCIAL.

SMALL Wholesale Manufacturing Chemists' Business require additional capital for development, and would amalgamate with another firm, or offer partnership to investor; established over 20 years in London. 8/4, Office of this Paper.

BUSINESS OPPORTUNITIES.

AN Old-established Firm of Continental Manufacturing Chemists desires contact with a reputable British firm for the mutual exploitation of new processes, methods and preparations. 10/14, Office of this Paper.

TO RESEARCH WORKERS AND CHEMISTS.—Advertiser, an able, successful Sales and General Manager, wishes acquire new or outstanding Formula for an effective Aphrodisiac; standard or well-known recipes NOT wanted; new discoveries, ideas of any kind, also considered to mutual advantage; strict confidence assured. Write 8/3, Office of this Paper.

PARTNERSHIPS.

PARTNER wanted, with financial resources, to push good Proprietary line that has been lying dormant for want of capital. For full particulars apply to 7/6, Office of this Paper.

WANTED.—Partner, sleeping preferred, with about £300; invest in profitable Druggist Business; trade secrets; Vet., Cough, etc.; splendid recipes, worth advertising. 9/22, Office of this Paper.

APPRENTICES.

MR. H. C. JENKINS, Pharmacist, 190 Broadhurst Gardens, West Hampstead, will shortly have a vacancy for an Apprentice, preferably with Part 1; no premium; excellent Dispensing experience; candidates must be of good address; wage given.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BARNES.—Qualified Manager (25 to 35) required for good-class Dispensing, brisk Retail and Photographic business; first-class references essential. Apply, stating age, height, experience and salary required, to Feltwell & Son, 90 Church Road, Barnes, S.W.13.

BIRMINGHAM Suburb.—Qualified Lady required to manage branch; smart and energetic; send full particulars, age, references, experience and salary required. 9/25, Office of this Paper.

POURNEMOUTH.—July to October; Assistant; capable Salesman; well up in Photographic Sales; Window-dresser. Full particulars, 1son, 5 West Cliff Road.

BOURNEMOUTH.—Young Qualified Assistant (male) required; permanency; please state age, height, experience and salary required, with photo, in first letter. H. Quincey, Ph.C., 821 Christchurch Road, Boscombe, Bournemouth.

EAST COAST.—Young Lady wanted for season, about 4 months, chiefly for Toilet Sales; a little Photographic knowledge an advantage; good-class business. References and salary required to Bell, Chemist, Felixstowe.

ESSEX.—Qualified Assistant (lady); applicants must be of smart appearance, quick at Counter and Dispensing; knowledge of Photographic; able to take charge at meal times; no half-holiday duty; very occasional Sunday duty (one hour); full particulars in first letter. 10/35, Office of this Paper.

GT. YARMOUTH.—Holiday Relief; Unqualified Junior (about 25), male; three weeks; outdoor; from June 26. Good references and particulars to T. L. Drabble.

HARROW.—Junior Assistant, Unqualified, male, required for good-class business; full particulars, age, height, experience, salary expected. 281/218, Office of this Paper.

L EEDS.—Smart Junior Assistant required; accurate Dispenser and good Window-dresser; state all usual particulars and salary required; comfortable berth to suitable man; applications not answered in 10 days respectfully declined. 11/33, Office of this Paper.

L EICESTER.—Unqualified Junior Assistant wanted at once; N.H.I. and Counter. Give usual particulars and salary required to Butlers, 51 Sanvey Gate, Leicester.

L OONDON.—A competent Qualified Manager (24-30) required for good-class business; permanent; must be good Salesman and Window-dresser and quick Dispenser; undeniable references. State salary and full particulars to Ward, 45 Granville Road, Stroud Green, N.

L OONDON.—A Qualified Pharmacist, with Optical and Photo knowledge, experience in London businesses, good linguist, wanted as Manager for a new Chemist shop; the position is permanent and progressive. 11/9, Office of this Paper.

L OONDON.—Junior Assistant wanted at once; please state, height, salary required and particulars of experience; also when available. H. F. Ferriss, M.P.S., 349 High Road, Lee Green, S.E.12.

L OONDON, E.—Assistant, permanency, Unregistered; good Salesmanship, Window-dressing and business acumen more important than technical ability; no Sunday; no Dispensing; fixed salary, commission on sales and business increase. State fully age, experience and salary expected, to 12/4, Office of this Paper.

L OONDON, E.—Qualified Assistant; one accustomed to N.H.I. Dispensing and middle-class trade preferred. Apply, with full particulars of experience, names of references, age, when disengaged and salary required. Apply (letter only) "Chemist," 37 Sydnor Road, London, N.16.

L OONDON, S.E.—Qualified Assistant required; please state age, experience and salary required. P.C.B. 207/29, Office of this Paper.

L OONDON, S.W.—Wanted, Qualified Manager (30-35) for Family Retail and Dispensing Business; also Photography; good appearance and address; single preferred, not essential; state salary required; permanency; personal interview preferred. Apply 10/11, Office of this Paper.

L OONDON, W.—Qualified Junior Assistant (male) (about 22-23), for good-class Dispensing Business; knowledge of Photography useful; permanency to suitable applicant. Full particulars, salary, etc., to 281/222, Office of this Paper.

L OONDON, W.—Qualified Senior Assistant, also Junior, male, required for good-class Dispensing business; excellent prospects; full particulars, age, height, experience, salary expected. 281/217, Office of this Paper.

L OONDON, W.1.—Part-time Locum M.P.S. for Hospital; lady preferred; July 13 to September 12, inclusive; light duties. Reply in writing to "M.," 40 Nottingham Place, W.1.

NORTH WALES.—Young, Unqualified, experienced Assistant; knowledge Welsh advantage; state full particulars, salary required; no Sunday duty. 9/9, Office of this Paper.

ST. ALBANS.—Locum required for periods June 22 to 27, July 5 to August 3, August 2 to 23, August 30 to September 13, or Qualified Assistant, Lady or Gentleman, for the summer. Shields & Warren, 7 London Road, St. Albans.

SHEFFIELD.—At once, Qualified (24-26; male); for Counter, quick Cash trade, Photography; outdoors; no Sunday duty. Full particulars, experience (letter only), salary required, and enclose photo, H. G. Williams, 118 The Moor.

SKEGNESS.—Wanted, a competent Assistant until end of September; photo and recent references; state salary. Hall, Chemist, Skegness.

STAFFORD.—Junior Assistant required; must be capable Dispenser and quick Counterman; salary and commission. Full details age, experience, salary required to 281/223, Office of this Paper.

SURREY.—Qualified Assistant Manager required; apply by letter, stating age, experience, when free, salary required; also photo if possible. 10/47, Office of this Paper.

WEST END.—Qualified Man required now; good Salesman; some Dispensing; permanency; comfortable berth. Full particulars to A. Reed, 52 Wardour Street, W.1.

A QUALIFIED Assistant (young) required for permanency; please state age, experience and salary required. 4/36, Office of this Paper.

A QUALIFIED Assistant (25-35; male) as Dispenser; smart appearance; West-End experience. Apply Staff Controller, Wm. Whiteley, Ltd., Queens Road, W.2.

A QUALIFIED Locum wanted for month, starting at once if possible. Also Manager for small shop; £4 10s. per week and bonus on results; good position and prospects; South-East Midlands. Write 10/50, Office of this Paper.

A SMART Qualified Assistant (20-30); either sex; smart appearance; quick at Counter and Dispensing; knowledge of Photographic; capable of taking charge; write or 'phone for appointment. Slaughter's (Chemists), Ltd., 351 High Road, Ilford. Ilford 0998.

A NDERSON & VIRGO, of Worcester, have a vacancy for a Gentlemanly Assistant, principally for Counter work; must have had good all-round experience; qualification not essential; permanency to suitable man. Send full particulars to the above address.

A SSISTANT, male, required June 22-September 26. Dispensing, Photographic; reliable; full particulars first letter, salary, etc.; letters unanswered 4 days respectfully declined. Curran, 5 High Street, Seaford, Sussex.

A SSISTANT required immediately for high-class Pharmacy; must be expert Dispenser, with good, all-round experience of Counter and Photographic; state salary; photo and full particulars; interview preferred. F. G. Curtis & Son, 94 Sandgate Road, Folkestone.

A SSISTANT, Unqualified, required for the season; seaside resort; accurate Dispenser, and Drugs, Toilets, Photo, Surgical Salesman; send full particulars of age, height, experience, salary required, etc., and when free for interview if considered. Felpham Pharmacy, The Broadway, Felpham, Bognor Regis.

A SSISTANT, Unqualified; state age, height, experience, wages required and when free. Keeley, 527 Lytham Road, Blackpool.

A SSISTANT, young, either sex, Hall or Unqualified, for old-established Country Business; reliable Dispenser, good Window-dresser, Stock-keeper; knowledge of Photographic business; moderate salary; photo. Apply Roper, Chemist, Dunmow, Essex.

A T ONCE.—Qualified Locum for some weeks. Graham, 22 Burlington Street, Bolton.

C APABLE Qualified Man, single or married, wanted to open Pharmacy in new district, Bristol; living accommodation over shop provided if required. Apply, with full particulars of experience, salary required, etc., to 10/38, Office of this Paper.

CHEMIST-OPTICIAN (J.C.Q.O.) required as Manager; Sutton district; salary £4 and flat or £5 per week without flat; must be available by June 20. Apply by letter, or preferably in person, to Yardley & Co., Chemists, 774 Green Lane, Dagenham, Essex.

C OMPETENT Junior Assistant for about 3 months. Full particulars, age, experience, etc., to Collitt, Chemist, Holland-on-Sea, Essex.

C OMPETENT Junior required for 4 or 5 weeks' locum work, commencing June 14; good-class Dispensing Business; all particulars, including salary, in first letter; fare paid. H. Reynolds, 15 West Avenue, Worthing, Sussex.

D EVELOPING and Printing.—Gentleman required from about June 29 to September 12 for Photographic Department; good, practical knowledge essential; please give full particulars of experience in first letter and state age and salary required. Hoare, Chemist, Cromer.

E XPERIENCED Unqualified Assistant, single (age 25-30), required June 22 or near; reliable Dispenser and capable Counter man essential; able to take charge; good salary; permanency; full particulars first letter; replies unanswered 7 days respectfully declined. Morgau, 75 Woodbridge Road, Guildford.

F IRM of Doctors requires Male Dispenser and Book-keeper, whole time; preferably married; salary £4 weekly; Midland town. "Medico," c/o Philip Harris & Co., Edmund Street, Birmingham.

F O R HOLIDAY RELIEF.—Unqualified Assistant; fortnight, Monday, June 29, to Saturday, July 11, inclusive; Southend-on-Sea. 11/15, Office of this Paper.

I MPROVER wanted, or Junior, Unqualified, male or female; good, all-round knowledge; full particulars, age, salary, photo. W. E. Barker, The Pharmacy, Burnham-Bucks.

J UNIOR Assistant required, July 1, for season, one taking July Minor preferred. Apply, with full particulars, age, height, salary, photo (if convenient), Pyman, Chemist, Westgate-on-Sea.

JUNIOR, either sex, as Assistant in Family and Dispensing Business in S.E. London; comfortable permanency. State age, experience and salary required to Bernard Phillips, Ltd., 27 Northcote Road, S.W.11.

JUNIOR Unqualified Assistant wanted as soon as possible; excellent experience in high-class business. Apply, giving full particulars of training, references, age, etc., and stating salary required, 248/22, Office of this Paper.

LADY Assistant, Unqualified; till end September; Dispensing, Counter and knowledge of Photography an advantage. Apply, giving particulars, experience, salary required and references, to Francis, Chemist, Tenby.

LADY Dispenser (Hall), experienced; required July 20 to August 31, or possibly longer. Apply, giving particulars of experience, age and salary required, Provident Dispensary, 3 St. Peter's Street, Bedford.

LADY wanted for D. and P. Photographic work for the season, at once, until the end of September; state age, experience and salary required. Wootton & Webb, 20 George Street, Luton.

LOCUM, London, Lady Pharmacist required, 2 weeks or 2 periods of one week, between June 20 and September 19; state salary, experience, etc. 11/8, Office of this Paper.

LOCUM, Qualified, for fortnight, this month or July. Apply, with full particulars, to Telford, 14 Grove Parade, High Road, Finchley, N.12.

LOCUM, Qualified, for 2 weeks commencing July 13. Apply, giving full particulars, Tuckers, Chemists, 5 Spital Street, Dartford.

LOCUM—Qualified Gentleman required for one week, commencing July 20. Please apply, giving full particulars, to Smith, 80 Battersea Bridge Road, London, S.W.11.

LOCUM—Qualified Lady or Gentleman (young and active) for London Suburban Business, S.E.3. State terms and full particulars, Butcher, Curnow, Ltd., Blackheath, S.E.3.

LOCUM, Qualified, male or female; August 17-29 or August 24-September 5. Milo Turner, Tamworth, Staffs.

LOCUM, Qualified, male preferred, some time during July and August; a partner of the firm will be available to give every assistance and to make the position as comfortable as possible. Please apply, with usual particulars, to R. R. Pratt, 94 Canterbury Road, Kilburn, N.W.6.

LOCUM, Qualified, preferably young, July 20-August 1 inclusive. Full particulars to Bell, Chemist, Mansfield, Notts.

LYONS, Dispensing Chemists, 109 Princess Road, Moss Side, Manchester, 14, require experienced Qualified Manager; also Unqualified Assistants; must possess initiative and ability, with knowledge of effective Window and Counter display; write, stating age, height, experience, salary required, and photo if possible.

MANAGER, Qualified; good knowledge of Photography essential; state age, experience and salary required; send copies of references. Lomax, Ltd., 234 Deansgate, Manchester, 3.

MANAGER required, J.C.Q.O., M.P.S., S.W. London Suburb. Full particulars, etc., 9/16, Office of this Paper.

MIDDLE-AGED Qualified Man to manage a business in South Wales; must have undeniable references and good experience; permanency and good prospects to suitable man. Reply, with full particulars and salary required in first letter, 11/54, Office of this Paper.

PERFUMERY AND TOILET—North London; Lady, capable of building and improving department in good main-road busy Chemist; must be efficient Sales and of pleasing manner. Write, with photo and approx. salary, etc.; permanency and prospects if suitable, and married not debarred. Apply 281/214, Office of this Paper.

QUALIFIED as Relief for about 3 months; London, E. district; light duties; part time would do. Full particulars, with salary expected, to 11/22, Office of this Paper.

QUALIFIED Assistant for branch, at once; single; progressive salary and commission. Full particulars to Fereday, Cheslyn Hay, Nr. Walsall, Staffs.

QUALIFIED Assistant; good-class Dispensing and Retail. Apply fullest particulars re age, salary and experience to Dickinson, Chemist, Stamford. If unanswered in 4 days respectfully declined.

QUALIFIED Assistant, lady or gentleman, required at once; new modern shop; good Salesmanship and Window-dressing interest essential. Apply, with photograph, usual particulars and when interview is convenient, Murrys, 14 Electric Parade, Clacton-on-Sea.

QUALIFIED Assistant, lady or gent., required for branch business; must be obliging and good at Window-dressing; please state full particulars in first letter; letters unanswered in 4 days respectfully declined. John, Chemist, 118 Cowley Road, Uxbridge, Middlesex.

QUALIFIED Assistant (lady or gentleman) required for middle-class Pharmacy, W. district; experience not essential. Apply (stating salary required and when disengaged), enclosing references, to 95 South Hill Park, Hampstead, N.W.3. Tel.: Hamp. 0691.

QUALIFIED Assistant required; young; capable of taking charge of branch shop; near Eastbourne; full particulars, age, wages required and when disengaged. Bufton, 9 Clinton Place, Seaford.

QUALIFIED Assistant wanted immediately for a few weeks, or permanent post; no Sunday duty; excellent accommodation available quite near. Full particulars to P. Bishop, Ltd. Tilehurst, Reading.

QUALIFIED Assistant (25-45) required immediately for shop 12 miles from London. Apply personally, with references, Cross, Chemists, 401 Hertford Road, Enfield Highway. If possible 'phone Enfield 1423 for appointment.

QUALIFIED Chemist required at once; also Unqualified Lady Assistant with good experience N.H.I. Dispensing and Counter; permanent post. Apply by letter, stating age, experience and salary required, to Smiths, Chemists (Grays), Ltd., Dispensing and Photographic Chemists, Tudor House, Socketts Heath, Grays.

QUALIFIED; for small branch in West Country; lock-up shop; light Retail; moderate salary and commission. State age, height, salary and experience, and when at liberty, to 11/29, Office of this Paper.

QUALIFIED Junior Assistant (male), one just Qualified would do, required for good-class suburban business. Apply by letter only, with full particulars and salary required, to Chemist, 197 High Road, Loughton, Essex. Letters unanswered in 6 days respectfully declined.

QUALIFIED Junior Assistant required at once, chiefly for Dispensing, until August 15. Also Qualified Lady Assistant (young) required on July 6 for permanency; if unable to call, please enclose photo, state age, experience and salary required. Wallace Fring, 7 High Street, Bromley, Kent.

QUALIFIED Junior Assistant wanted; state age, experience, salary required, and when free. Send copies of references to Myers, Chemist, 127 Hertford Road, Enfield Highway, Middlesex. 'Phone: Enfield 0457.

QUALIFIED Junior required. Apply, with full particulars and salary required, Howell, Chemist, 46 Regent Street, Swindon.

QUALIFIED Lady Pharmacist as Assistant in Middle-class Business in S.E. London; comfortable permanency. State age, experience and salary required to Bernard Phillips, Ltd., 27 Northcote Road, S.W.11.

QUALIFIED locum, male or female, wanted, for July 13 to July 25 inclusive; state wages, experience, age, giving recent testimonials; for good-class Pharmacy; one assistant kept; Croydon area. 10/51, Office of this Paper.

QUALIFIED Locum required for fortnight, August 17 to 29. Particulars to Manager, Junior Army & Navy Stores, Union Street, Aldershot.

QUALIFIED Male Assistant, young, for holiday relief; 3 months; London district; good opportunity for obtaining management experience at various branches. State age, experience and salary required to Bernard Phillips, Ltd., 27 Northcote Road, S.W.11.

QUALIFIED Manager for branch shop; capable of taking complete control and handling rapid N.H.I. Dispensing; state age, height, salary required, when free, and enclose copies of recent references. Also locum required, August 8 to 22 inclusive. Minton, 333 Meadowhead, Sheffield.

QUALIFIED Manager for new branch (age 30 to 40). Full particulars to Hedley Price, Ltd., 244 North Street, Ashton Gate, Bristol, 3.

QUALIFIED Manager, locum, required for Pharmacy, July 4-20, inclusive. 281/220, Office of this Paper.

QUALIFIED Manager required, permanency (age about 40). Apply, stating full particulars, to C. J. B., 37 York Road, Battersea, S.W.11.

QUALIFIED; part time (evenings); London; usual light Retail; middle-class business; age and usual particulars. 11/110; Office of this Paper.

QUALIFIED Superintendent required for small limited company, Glamorgan coastal resort; duties light, except in summer; Dispensing, Counter, Photo, etc.; permanency if suitable; state age, experience, wages required; applications unanswered within 4 days respectfully declined. 9/10, Office of this Paper.

RELIABLE Unqualified Assistant wanted for high-class Family trade; permanency; Surrey; good Window-dresser. Apply, with full particulars of experience, capabilities, height, age, married or single, and salary required, to 7/10, Office of this Paper.

THE Civil Service Stores require a Qualified Counter Assistant (lady) for City branch. Write, giving fullest details of experience, to Staff Manager, 425 Strand, W.C.2.

THOROUGHLY Experienced Unqualified Assistant required at once; permanent to conscientious worker; must be good Salesman. Apply in writing, stating full particulars of past experience, age and salary required, to 282/227, Office of this Paper.

UNQUALIFIED Assistant; permanency; Beckenham district; full particulars first letter; applications not acknowledged declined with thanks. 9/5, Office of this Paper.

UNQUALIFIED Junior wanted for a fortnight from June 29 to July 11; must be good Dispenser and Counter man. Apply, with full particulars, to E. W. Tayler, Ph.C., Sherborne, Dorset.

UNQUALIFIED Lady Assistant required at once (age about 25); duties mainly Toilet Counter, Window-dressing, Photographic, etc., but must be able to assist generally; knowledge of Ladies' Surgical Appliance fitting an advantage. Apply, with full particulars, age, experience, salary required, to Smalleys, Chemists, 6 and 8 Carr Street, Ipswich.

UNQUALIFIED Male Junior Assistant for summer season from June 22, with possibility of permanency. Particulars of experience and salary required, together with photograph, to Messrs. A. Procter & Son, Ltd., 6 Station Parade, Eastbourne.

UNQUALIFIED wanted until middle of September; please reply by letter in first case, giving full particulars and salary required. Mills, Chemist, 11 Mealhouse Brow, Stockport.

VACANCY occurs for Qualified Assistant in middle-class business; easy work and hours; would suit elderly male or young lady; state wage and full particulars; E. Yorks. 11/2, Office of this Paper.

WANTED at once, 60 miles from London, Male (24-26), single, Unqualified; Book-keeper, Dispenser, with knowledge of Type-writing. Apply 8/7, Office of this Paper.

WANTED, immediately, capable Unqualified Assistant; must be able to Dispense and be thoroughly trustworthy; send full particulars, references and photo, stating salary required. Montague T. Watson, M.P.S., Rowercroft Pharmacy, Stroud, Glos.

WANTED, Qualified Assistant; accustomed to good-class Dispensing and Retail. Apply, with fullest particulars regarding age, experience, salary required, to Tilley, Droitwich Spa. If unanswered in 4 days respectfully declined.

WANTED, Qualified Lady or Gentleman; must be courteous, willing and obliging; good at Window-dressing, Photography and a capable Dispenser; permanency to suitable applicant. Phone: Bermondsey 1482.

WANTED.—Qualified Lady to take charge of Branch Pharmacy, opening mid-July; must be competent Dispenser, Window-dresser and Saleswoman. Apply immediately, stating age, experience and wages required, to Managing Secretary, Sheerness and District Economical Co-operative Society, Ltd.

WANTED.—Qualified Young Lady as Assistant; smart at Counter, etc.; good prospects. Apply by letter, stating age and experience, to Managing Director, Phillips' Pharmacies, Wigan.

WANTED.—Young Qualified Assistant; good-class Country Business. Apply, stating age and full particulars, to O. L. Carrington, M.P.S., Chipping Norton.

YOUNG Assistant, Qualified or Unqualified, wanted at an early date; must be a good Window-dresser and accustomed to shop work; please state wages, etc. I. Lloyd, 267 King's Road, S.W.3.

YOUNG Qualified Assistant wanted at once; also one Unqualified. Full particulars, age, salary required to J. G. Barrass, 126 Carr House Road, Doncaster.

WHOLESALE.

AGENTS and Travellers wanted with established connections among Hairdressers, Chemists and Stores, to place on the market a Hair Tonic of proved efficacy; to work on a commission basis, 20 per cent., paid weekly; this line will be backed with showcards and advertising. 10/29, Office of this Paper.

AGENTS required, buying or commission, for Scotland and Northern Counties; 6d. and 1s. lines selling to Chemists and Grocers; interviews in Newcastle and Glasgow. Write 281/213, Office of this Paper.

FOREWOMAN required for supervising Packing of Liquid and Solid Brilliantines, Smelling Salts, Face Creams and General Toiletries; must be a good disciplinarian, and have experience of the trade. Apply by letter only, stating fullest particulars of experience, wage expected, etc., to Donald Sharpe, Ltd., The Hyde, London, N.W.9.

LAYOUT and Copy Man, with experience in preparing ethical advertising matter for high-class pharmaceutical and toilet preparations, wanted in private Advertising Department of London firm; knowledge of, or qualification in, Pharmacy desirable; state age, experience and salary required; specimens, if submitted, must be own original work. 282/225, Office of this Paper.

MANUFACTURING Chemists' Travellers calling on Doctors and Dentists required to introduce a special scheme of great possibilities which will not interfere with present activities; state ground covered. 8/8, Office of this Paper.

REPRESENTATIVE required by leading Perfumery House to cover Northern Ireland and Irish Free State; must have live connection amongst Chemists, Hairdressers and Stores; non-competitive sideline not objected to. Reply with full details to 281/216, Office of this Paper.

REQUIRED at once, real live Representatives for heavily advertised and successful Proprietary selling to Chemists, for Midlands, Yorkshire and West of England; good connection amongst Chemists, and wide experience essential; permanent, progressive positions for right men; good references necessary. Write immediately, stating age, full particulars of experience, etc., to 281/219, Office of this Paper.

TRAVELLERS wanted for Scotland and South Coast for first-class Manicure Series; excellent sideline giving £10 week September to December; numerous open accounts to hand over to man prepared to develop energetically now with view to record Christmas sales. 281/212, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—**QUALIFIED** Manager (26) requires change; all-round experience; good-class Pharmacy preferred; free in one month; please state salary. 11/16, Office of this Paper.

A.A.—**QUALIFIED**, young, desires change, London or South; capable Dispenser, keen Salesman and Photographer; tall, reliable, trustworthy; excellent references; at present relief manager; free one month. 11/27, Office of this Paper.

AS Locum or temporary Assistant; free until July 17; varied experience; abstainer; excellent references; South or West preferred. Chemist, 42 Alexandra Road, Hill Lane, Southampton.

ASSISTANT or Manager; competent Dispenser and Salesman; single, active, elderly; Unqualified; disengaged. Statim, 42 Fenton Road, Lockwood, Huddersfield.

ASSISTANT, Unqualified (29), London and country experience, Dispensing, Windows, Photography, Part II Student, excellent references, desires permanency. 4/34, Office of this Paper.

DISENGAGED, Unqualified Assistant or locum; West End experience; thoroughly competent. Arthur, 5 Magdalene Place, Ashley Vale, Bristol, 2.

EVENINGS.—Experienced Pharmacist free from 6 p.m.; Retail or otherwise; London. Write or call, 252 Barry Road, S.E.22.

LADY Dispenser, Book-keeper (Hall), experienced, desires permanent post with Doctors, Chemist, or locum. Browning, 14 Marine View, Hove.

LADY Dispenser (Hall) requires post, experienced, also Typing and Book-keeping. G. L. S., 34 Peartree Avenue, Bitterne, Southampton.

LADY Dispenser (Hall) seeks post. Miss Dorothy Lawrence, "Resthaven," South Hill, Langdon Hills, Essex.

LOCUM, vacant dates July 20 to August 8, August 23 to September 5. Chemicus, 56 Rudloe Road, Balham, S.W.12.

LOCUM (21), Unqualified; free one month; June 20 to October; first year B.Pharm. (Square); London Hospital training. (Mr.) F. Jameson, 22 Park Road, Wallington, Surrey.

LONDON.—Qualified (29) desires position for Wednesdays and Sundays; thoroughly reliable and honest. "Chemist," 31 Cranwich Road, N.16.

MIDDLE-AGED, Unqualified, capable, single, experienced, abstainer, desires trustworthy position, Manager. Alwyn, 70 Parrin Lane, Monton, Eccles, Manchester.

MIDLANDS or South.—Qualified (40); tall, single, reliable; thoroughly experienced; Manager, Superintendent, Assistant; permanent or temporary; free July; low salary for suitable position; interview arranged. 2/10, Office of this Paper.

M.P.S., MIDDLE-AGED, single, abstainer, good, all-round experience, desires locum, part-time or permanency; moderate salary. P.C.B. 207/31, Office of this Paper.

PART-TIME or Evenings, London; lady; capable Dispenser, Counter; all branches; recommended; unregistered. 11/11, Office of this Paper.

PERMANENCY or locums till suited, experienced, energetic Assistant (45); tall; Unqualified; keen Salesman, quick Dispenser, Photo, Windows, Agricultural, etc.; conscientious and trustworthy; disengaged. Haigh, 25 Hetley Road, Shepherd's Bush, W.12.

QUALIFIED, elderly, active; locum or permanent; salary moderate. W. T., 406 Caledonian Road, London, N.7.

QUALIFIED, locum or permanency; 20 years' experience private and multiple firms. R. Challener, 60 Bardsway Avenue, Blackpool.

QUALIFIED (25); good position as Manager or Assistant in good-class business; efficient; good Salesman; at present engaged; London only. 10/46, Office of this Paper.

QUALIFIED (24; height 6 ft.) requires good position as Manager or Assistant; at present successfully managing in London; varied experience; keen. 12/102, Office of this Paper.

QUALIFIED (35) seeks permanent Managership in good-class Pharmacy; married; London or near; free soon. 10/40, Office of this Paper.

UNQUALIFIED (bachelor); long experience sole control; manage small light business or Drug Store; competent, trustworthy; country preferred; remuneration £1 15s. 10/42, Office of this Paper.

UNQUALIFIED, tall, single, abstainer; Dispensing, Counter, Photographics. Harris, 27 Lysways Street, Walsall.

UNQUALIFIED (29), tall; capable, all-round man; locum or permanency; best references. C. Alcorn, 7 Malvern Avenue, South Harrow, Middlesex.

WHOLESALE.

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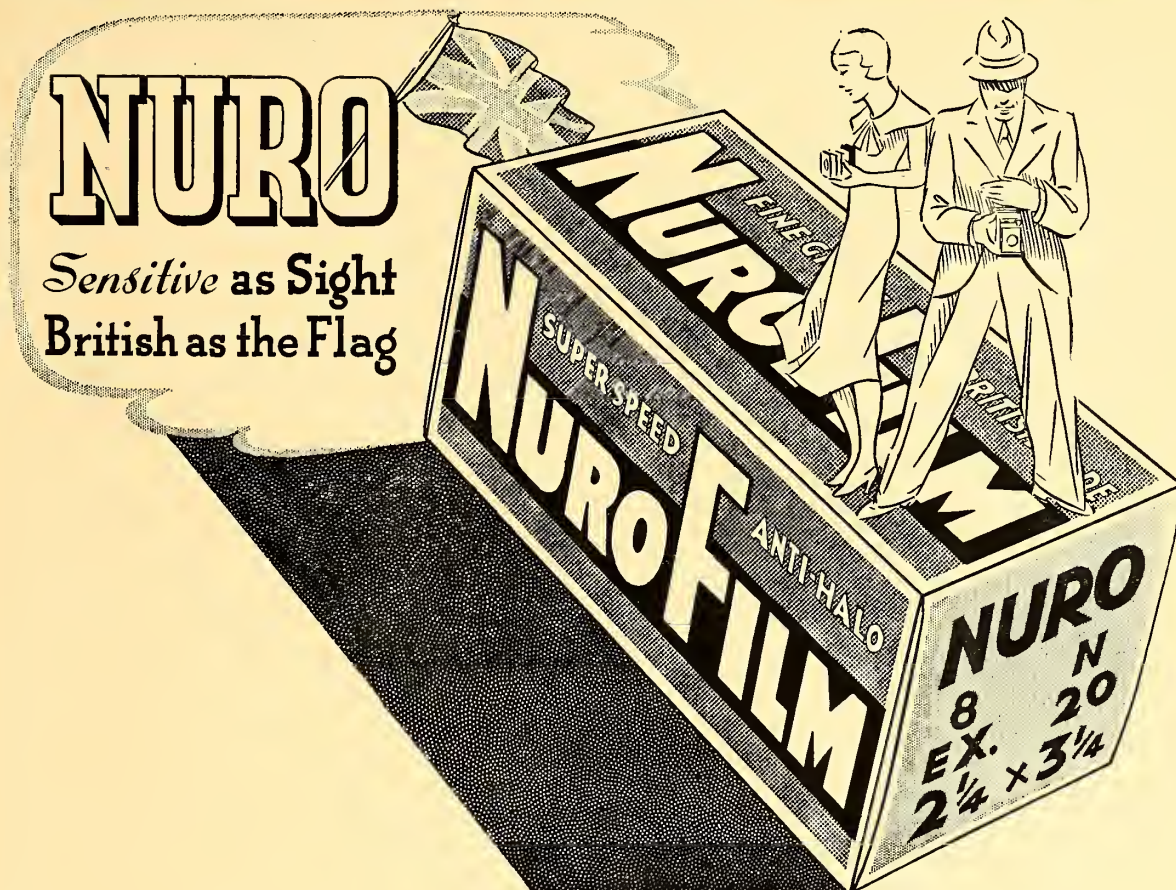
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